<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1522)
<223> n = A,T,C or G

<400> 4768
ctnttaactn ctaatncttc ttcntggcna cggcncttan tatgngccnc tnaaaatcng 60
aataggggtc tnggggggnc tactcnaccn nncncncnnc gncctnatna nnncctnaag 120
nntgnctttc cngcncttaa ntccncctct caccnncntn nccgncgngg ttttcncccc 180
tctnccctcc ttnccctatn ctcttncccn tccctctcct ntccccccnt tntcnatntn 240
cntccctcnt nccntatctc nccccctccn ccccccccanc catcctttte tnnctcccen 300
cnnctctcnn tnccctcacc ttttntccnn tccnnnttct ccctcacnnc cncnantcct 360
acatcnnctc tcttcnccnt tnttctcncc ttnnacactc tctatcattt atcctcccan 420
ntantnttna tcccnnncta cctnnntcta cctttccnca nanntcttca tctttccctc 480
tcactccata nctnacctna tcccnacttc tntaatctct tcnntcactn ctcnctcact 540
ctcttntctc tcnnccannn nttcacactn tnntnnnctn tcctntcnan ntcnttcatn 600
ctcancnctc ctctntnntn tnttctctnt ntccccntac nncctcccta tcnctctncn 660
cncatcnnac tcctctctnt nctcaccctc ctnctctcnc cntttatanc acncttacnn 720
ctcncctnnn cncnntctca ctcactngct ccatcnctcn ttntatanat ccccnctctn 780
tctgatctct cncctnactt ccncanactc tactnacttn tctncactnt ctancctctt 840
ctcctcanct ctcgananct ntntcncann tcatntccna ncttntatac cancgncntc 900
tacctntntc cctcacnacc ttcctctccc ttcgnatcan ctcncnccnt nctnctcaca 960
ctnnctcact nactcatncn tntnnatctc nncttantcn cncncnctnt cactctctca 1020
natactntct nntctatctt ctntcantct tntcttncnc actatncact cccctctnna 1080
tcntacccct caccatnctn tnnaatccnc tcagntacnn tctacatcat tnccntccat 1140
ctcctgctna cantntcncc acatctctct ctnnnnnccn tntnactcct ctcncccnct 1200
cctanctcat cacntccatn tcnctctctc tcnnactcta cnctntcccc cnactnntca 1260
nccccnctta tccatctcnc cnntctatct accncactaa ctctctcccc accnnctntt 1320
cntccntntn tctncttcac atcantctac tactcctncc tntnctctat nntcttnctc 1380
ttctnaccat tatcnccntc ctcntnncct ncncnntcta tntcntntac atcctcccnt 1440
cacttactct cacnncnctt ncctcctacc tctctcaccc tctactcntc nttntctcnn 1500
catactannc tctcnccatc ct 1522

<210> 4769
<211> 1411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1411)
<223> n = A,T,C or G

<400> 4769
ccncancccc ccnnnnnaac ccnnnnccnn nnnnccnnnc cnnccnannn nnnnncannn 60
ancannannn nnnnncnnnn nnnnnnancn ncnnncnnnn nnncncnnnc nnnnnncntn 120
nnnnnncnnn nncnnnncnn nncannnccc cnnnnnnncc cnnnnnnccc nnnnnnnntn 180
ccancntann nntncnnanc nncncnnnnn nnnnnnaaaa agaagaaggn nnnncnnnnn 240
nnnnnnnnaa anagaaacnn acnnggggnc gcgnngggnn cncgnttttt tcccttaaaa 300
annaggaccc ttggggcgna cannngcctc acncatcgtc nncnganaca cgagacnttg 360
cggngnnnga tttttnnaaa naccgantnc cncatacnna cnacgcncnn ncgnnnnaaa 420
nnccnnannn angnangtan nnnncgaacc ccnnnnnaaa ncancncntn agnaagnncc 480
anncagcact cgctgcggta cctncnncag ccgncgnncc aatcaccnac ngntnnnacc 540

ancnctcnan gaccagctaa acctccanan agccactctg ancctcctac ctntnnagac 600
cacngaacnn attcnancag gacncannnn cctcaacacn acnatcccct cactgnnccc 660
cctcccagac aaanncannt cntnnaagcg ccatcncccn nnanancnnn natccnannc 720
annttcntan ccccatantc ccccacacac ccccccngnnc gnncantnac nnnaacannc 780
nccgtagccc cnntcctnaa ccancctanc atannacctc tncnnnccct ctctgcnccn 840
cacaacnnat nanctncaaa caanncnnca ncancacnta anncnncnnc ccacaacncc 900
cncgncgaac atncccnnca cnnagnaccc acacataana naccnncacc cnactnatat 960
atccacaanc naanccnntn nnnnccaana ancccccnnat caacancacn acnaacannt 1020
cncnccntac nntatcnann atcannnnca cccncncctt annannnnnn nntnacancg 1080
tanaaaacgn ganaacnnca nnncnntcta acctnnaanc cacnncncnc acncnnanta 1140
nccctccngn anncnnncan ccnnacccnc cttnanncnn nnccccttna anacnantca 1200
ncncnacanc cnnncnnanc gacncantaa nncccaatca nctaaaacnn ctctcncnna 1260
ncnaacacat cnannacgan cntccnacan atncacganc ncnannaant cnacncanan 1320
angcntcnac ntatctnnaa acnnaannat nctcactanc acacaaatct nncacnanta 1380
ananccnnca cgnaatcanc aanataccnc c 1411

<210> 4770
<211> 1349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1349)
<223> n = A,T,C or G

<400> 4770
ncctntaaaa tnnnaaaact nnctttgggc naaaacnncc ccctcaaaca tattcagacc 60
cccttaaaac atcagggann ntatggggnt cttntnnggg gccnntnnnc antntcatat 120
cnnatacana nnccccntnt ctacacatcn ctntctactt annanctctn nnctcatcnc 180
tgnnnnctat anntatctnc tcccactccc ctacttcacc tctcncnncn nctcctctta 240
ccanccntat accncancac ccaacacncn accnccnacc tancacctat canntcctca 300
nattctccct ntctcccctt ccctcctctc attcctcccn canctcnana ccncnnncac 360
ctcattctac tacacncncc nctcccctct cccnnacnnc tctccatcct ncncccccnc 420
nccttcccnn ttntcncccc cctannncaa cactccacna caccncntcn tctcctcact 480
cctactcnct anccncannc tcanctccan actntcctna cataactacc ccactcntac 540
nctctncatc cacctcannn tcacncatcc actctcntnt cnctctcttn nnacctcnca 600
tcnntctnac acctctnccc cttctcnttc taccattcac tcctactctn nctnnctcac 660
tctctcattt cntcnaccnt ncatcactcn ttccnntacc ctatcnctct ntatctntca 720
ccatatccnc actcncgcac actctancta cnctctacct atactntcnt ctcatcacta 780
natntntacn tctctcnacn cttannnctc nactacncac tctcttctcc actncancnt 840
anacacactc cctactncac ctcacatatn tnctctcncn ntcatnatac ctctnnatnt 900
antcctcntc tncnncacnn tntncctcac acacactntc tcacactnac nctctctctc 960
tcctntctcc tcntcncnct atanacctnn cactctcant canccctact accnctcttc 1020
tctcctnctc cnctntcttc nanatnnncc nctctacacn ccacttacan naccacacat 1080
cactcctnca ccctncatcn ntcncttcac tanntaccac nncactcnca natctccntn 1140
tctntncntc nntnaccnct caccatcntn tcctnctcnc tcaccntctn ccactctcac 1200
ctcnttcana accatactcn ntntccactc cncccttcan ctcctccacc nacatacccc 1260
nncaccncac tnacncntcc annccacatt cnacacntcc ntcncnccct tcctttcncn 1320
tcctnccccc tntcntncac cccttcccn 1349

<210> 4771
<211> 791
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(791)
<223> n = A,T,C or G

<400> 4771
gnntttagan nnncngccnc ttgttctttt tgcaggatcc ctcgattcga attcggcacg 60
aggttatggt gggaggagcc gatactgagc ttcttcctat ttgccatggg cttcactgta 120
taaataggag aggatgagag cccagaggta acagaacagc ttcaggttat cgaaataaca 180
atgttaagga aactcttatc tcagtcatgc ataaatatgc agtgatatgg cagaagacac 240
cagagcagat gcagagagcc attttgtgaa tggattggat tatttaataa cattacctta 300
ctgtggagga aggattgtaa aaaaaatgcc tttgagacag tttcttagct ttttaattgt 360
tgtttctttc tagtggtctt tgtaagagtg tagaagcatt ccttctttga taatgttaaa 420
tttgtaagtt tcaggtgaca tgtgaaacct tttttaagat ttttctcaaa gttttgaaaa 480
gctattagcc aggatcatgg tgtaataaga cataacgttt ttcctttaaa aaaatttaag 540
tgcgtgtgta gagttaanaa gctgttgtca tttatgattt aataaaataa ttctaaaaaa 600
aaaaaannnn nnaaaaaaac tngagcctnt anaactttag ngagtccgnn ttacntnnat 660
cccggacctg gntaaggata ccattggntg aantttgggc caaaccccca annttgnaat 720
gccntggnaa aaaaaatgcc ttnattttgg ggaaaatttt ggggaaggcn nttnggnttt 780
aatttnggna n 791

<210> 4772
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 4772
cggtttnaga atcnancnct acttgttctt tttgcaggat ccctcgatgn ngaattcggc 60
acgaggntac ntgcaatnac catnntggna tcagtncact anngcctctc ntagaaaaaa 120
ggggaccnag agacnggtnt tcaccatntc gcccatgcng gtctcacact cctgagctca 180
ngccatccna ctncctnnan ctaccaaagt gnttccgtna nagncnaact cattttnatt 240
caatggccat ngnntctnac acncnattga natntnagcn naccntannn cagttntcan 300
ataccacntg gcgnatnnan aaccccngga tgcnngaccn tngtgaacca natgctnana 360
tgccattcaa tcaggaagat gccaaaaatg nnctnnttat tntaanataa gtacttaagt 420
nancantatt cagaantgac nntctcatan ggaagcntnn ttatctnctt nnatnannga 480
nattgttana atcnttnccn ntaatccacc ttnatnnnta cccntttgtt tattaaggca 540
aaagattncn nttatccnnc tannaatgct tcatgaaatc naanntaata tttnttnaag 600
ctantntcca ccattanttn nnnntgtaca tttnntaatn tgnaannccn atcttgtatn 660
aaagaaccnt aatnnccaan nnttcctnaa tnatgnttnn attccacctt tanncnatat 720
annccnaact tntcttntct tttnttccnc 750

<210> 4773
<211> 979
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(979)
<223> n = A,T,C or G

<400> 4773
gtaccnattn atgtgctant ctgctcnttc tttntgcaat atcccatcga ttcgaatnng 60
gnacgagccn ncctggtcnc tgncaggatt gacnnattgn tagctntttc tagannnngn 120
gnatggtggt gcatggccga gtcttagtat ggtggagcgg atcatgaaag cccagncact 180
tgnnggacaa ctncaccatg ggctatatga nggccaaaaa ncacctggag atcaaccctg 240
nccaccccat tgtggagacg ctgcgncaga aggctgaggc cgncaagaat gataaggnag 300
nnaaggtcct gntnntgctg ctgctngaan ccgnnctgtt atcntctggc tnnnccnntn 360
aggntcccca tacccactcn aaccgcatct atngcatgat caagctannt ctnngtattg 420
ntgantatna nnctgncacc anangancce acnncttgca actnctgatn agatcccntt 480
tntcnnnggc nacgangatn catttnntcc tngaanaagt ccatntagtc actttnccnn 540
tccnntntcn aaccctnttc ttccctanan cttacntttt ccnnatcntn cctcnncatc 600
tcgncnattc nccncatctn cncccentcc tcatctccnn tgnnnctatc tnnccccncc 660
ccnctcnnnt tntctnattn tacttctccc tctctctcnc ntnnncattt tctancctct 720
cntncnntnc tnttactnnn ctcncntact acntcactcn nctccttact cttnncnant 780
nnnnctctnc ctntnncctc nctcntccnn tcactnancn ctcntnntnn ntcnntcnac 840
cnctntnctc nanctcannn nctnnntnca tcatcatann ctntctcncc ttanntnnct 900
ntcctcntct cncnctnttn cncnnctcan tctttctcnc tctctntcnn tctcnttnct 960
ntcaccntcc tntctctct 979

<210> 4774
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 4774
nntaaatcan ctcttgnctt tttgcaggat ccctcgattc gngnnnangt cgagnacntt 60
cntaggggge ctnantctaa tangngcctt ntgnctgtca tgatngncaa ttganaagna 120
nttnantanc ncatttagaa tctantgact agcctcctct ctggtngctg gtggcattna 180
nggttcanac canccntaan tgctggtgct gtnnaanang tctcacgtgg ctgcntgtcn 240
tggctcatgc ctgtnntccc aacattctnn naggcccacn cngtagaacn gctngagncc 300
angagtncag aatcagcctg cgcaacatnn caatactccn tntcataaaa attcataaat 360
aacangtctc acgtgaccaa nggctcctga agctagaacc angtttggat acaagattga 420
agatccacan gccantcttg cntctgagcc ntnnngccta ntngngncat gtntnnnaat 480
tgntcanggc nagagcnnnc nntntngcnt natacnggaa ngncngctta attngcnnnn 540
nttcagtcca aatnnnatac tntngggacn ntaacntgcn ctatnctnta tnnccagaga 600
ctacngtctt antcatccan naaatgancg atngntnatt attcccatgg cacctntatn 660
naaatccaga gttcttcgca gnctttnngc tntttatatg tgtnccaaat nttaaaccnt 720
nataattatt gggcntctga n 741

<210> 4775
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 4775
aatcngctgc ttgctactcg tgcngatccc tcgattcgaa ttcggcacga gactttatga 60

gaagaatctt actgaaaatc aagaagctct tgcaaaagaa atgcgagcag atgcagatgc 120
ctatagacga aaagtggatc ttgaagaaca catgtttcat aagctgatag aagcaggtga 180
aacccagagc cagaaaactc agaagtggaa ggaagctgaa ggaaaagagt tccgtttgag 240
atcagcaaag aaagcttctg ctctttcaga tgcgtctaga aagtggtttt taaagcaaga 300
gataaatgcg gctgtagaac atgctgaaaa tccatgtcat aaagaagaac ccaggttcca 360
aaatgaacag gactcaagct gtttgcctag aacctcacaa ttaaatgact cttctgaaat 420
ggatccctca acacagattt ctttaaatag aagagcagta gaatgggaca ccacgggaca 480
gaatcttatt aagaaagtga gaaatcttcg ccagagactc actgcccggg ctcgtcacag 540
atgtcaaacc cctcatcttt tggctgcata gaatgcatgt caccttgaga cggtcganag 600
agagacctat tttgcaatca gtgacattga tttttagatt atttatttaa aattcctatn 660
aagatcagcc ctttgtacag aaaaatgtgt ctataaaaat tatgtgttat t 711

<210> 4776
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(858)
<223> n = A,T,C or G

<400> 4776
tccccatttt gaatnnancn agctacttgt tctttttgca ggatcccatc tattngggng 60
nannctttnt tgnnaatncn ggtacgnnnc tatgnatcan gactgnactt nggtanctnn 120
cttggcccnt acagnngnaa ngaangatgg gctggtggat tggcccacct gggagcaaca 180
tggggcangg ggagccctca ccctnagcca nccagacgag tgggatttnc cccagnacan 240
natacccccc tcacaaangg accactnaag tgcttcatta agcaagtcct ggatcctgtg 300
cccnccaact gggtgagaca ccccaatggg tcaccntaca ccttatacaa nagcatttta 360
ctggcatnan gtgggtgccc ctcaangaca nagatcccan agganngagt ggggtctnat 420
ctttgctgtt nttccatcac tctttggtga catnttcagg tntgggaggg acccagatta 480
gtattggctt tgaangaaat tcccannnat antgcannta tncctnncat aagatggtgc 540
ctanacttgn ttataagngn ataacantna ngtctacacc naacnttcan cccntaaaaa 600
attnccctan cnaaaanncc tcaatntttn aaagggtcna ctgcttncnc tttacaagga 660
atctnantgn tggnntaacn anacnttctt tgtaaanatt ganntaaacn gggntnttng 720
tatntatann tcctnctnta acnantcctn tgatnaaang ggnttctatn taatcggtgn 780
ttctgcatcn taaccttctc naanaaanng tattctctnc taatntcanc cncntttnta 840
ancnnngtca anacgcgg 858

<210> 4777
<211> 999
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(999)
<223> n = A,T,C or G

<400> 4777
ccncnncnnn nnnnnnnnnn cnnnnnnnna nnnannnnnn nnnnnnnnnn nncnnnnnnn 60
nnnnnnnnnn annnnnnnnn nnnnnnnann nnnnnnannn nnnacnnnnn cannnnnnnn 120
annnnnnncn nagnnnnncn cncgnnnnnn nnannanngn gnacncnnnn tanancnnnn 180
nnncnnnnnn nnngnnnctg ncnncncttt tcnaaaagct ggtcctcngc nactnnncag 240
gcagcccnnc gattcagaat tcggcacgta ggccaagtat gcagtgtnaa cggctgnnag 300
nntcgagaac cngagtgtgn gctctccntg nngaccnaga ncgangcgag agctccaagn 360

anganatgan tgngacctgc atggganaag gncaggngga tatcatggag agcgtgaana 420
nccggtctga aanganacag gggtgccacc cangtgccag agatgcgaag naaccaatan 480
agcaggggan gggncaagng nnnancgaac ngaagagcan nnaacggnnn anangnnaag 540
gagcacaatg angccctnat cgcccngagc nctcacgccn atnagggctc atncaaacng 600
agcacccgct ttcnnntgcc cacaaaatng aattgantca agncacgccn gacangtgcn 660
nanagccnng ccattggaac tcgtctcccc cctangaatg ctgcccttgc nannacccat 720
tgctatgctg ctnaccannt cccncttgta ttcctggggc ccctcttatg nactgnaacg 780
antcanccgt gactaggggt aaaaacgnan gnggaaatgn tatangaant tngcaccang 840
naatcatngc ttatccatnc ccnaatgcat ngntnaaant tcnacaacta gtncgtcata 900
gnacncntnt ggaatantta ggngaaactg tggcttatna atngtccnan ntggganaag 960
gggganccana tnaacttggc tnaagcncga atgtnncnn 999

<210> 4778
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 4778
ggtgnagtnn atgtctaatn ctntgnnngc gnttgctntc gatgcaggat cccatccgnn 60
gaagaagctg cagaagaaat gaagaaagtg atgatgattt anattttgat attgatttag 120
aagacacagg aggagaccat caaatgaatt aatatcactg tattaaaagt ctgccgggca 180
cagtggctca cgcctgtaat cccaacactt tgngaggcca aggagggtgg atcncctgng 240
gtcangantt cttnaccngc ctggccaaca tggcggaacc ccatcttcac taatagtaca 300
aaaaattagc tgggccgtgg tggctcatgc ctgtaatccc agctactcaa gaggcttgan 360
gcaggaggat tgcttnaacc ctgnaggcgg agattgaagt gagctgagtt cgtgccatta 420
cactccacct gggtgacana gtgagactct gtctcaaaaa aaatanaata aaaagtcnat 480
ttacaatgtg aaattctgac acctttggc tttgagtatt ttcccaaaga tattttgaat 540
ccttantgaa ggaaattnan aaaaaancta tgggaaaaat tggacnaaat ttcattnctt 600
gaacaatntt aaaattgggg tattatttac ctttaacant ccaacntaaa ccangaattt 660
cagnaattgg ntgggnttgg attaannaaa cntaacctca tgttnaaaaa ttaaaaattc 720
ncattanttn ccttggcctc naanaaaant nntnacncan ataaactccn ngcccagncc 780
ttttcnnngc cttttn 796

<210> 4779
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 4779
cacaagctac ttgttctttt tgcaggatcc catcgattcg aattcgcggc cgcggcgcca 60
atgcattggg cccggtaccc agcttttgtt ccctttagtg agggttaatt gcgcgcttgg 120
cgtaatcatg gtcatagctg tttnctgtgt gaaattgtta tccgctcaca attccacaca 180
acatacgagc cgggagcata aagtgtnaag cctggggtgc ctaatgagtg agctaactca 240
cattaattgc gttgngctca ctgnccgctt tccagtcggg aaacctgtcg tgccagctgc 300
attaatgaat cggncaacgc gcggngagag gcggtttgcg tattgggcgc tnttccgctt 360
tctcgctcac tgactcantg cnctcggtcg ttcggctgng gcgagcggta tcaactnact 420

caaaggcggt aatacgggta ttcacagaat naggggggata acgcaggaaa gnacatgtna 480
ncaaaaggcc ngcaaaaggc cagnaaccct gaaaaaggcc cncgttgctg gcgccatnna 540
catangcttc gacccccctga cagcatnaca aaantcgacc ttaagtcnga ngtggcgaaa 600
cccgncagga ctattnanat ccagcgtttc ccctggaact tcctaggcgc tttctgtncc 660
acctgcgtta ccgatcctgt ccgcttttnc ttnggaaant nngtttntat at 712

<210> 4780
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 4780
cacaagctac ttgttctttt tgcaggatcc catcgattcg aattcgcggc cgcggcgcca 60
atgcattggg cccggtaccc agcttttgtt ccctttagtg agggttaatt gcgcgcttgg 120
cgtaatcatg gtcatagctg tttnctgtgt gaaattgtta tccgctcaca attccacaca 180
acatacgagc cgggagcata aagtgtnaag cctggggtgc ctaatgagtg agctaactca 240
cattaattgc gttgngctca ctgnccgctt tccagtcggg aaacctgtcg tgccagctgc 300
attaatgaat cggncaacgc gcggngagag gcggtttgcg tattgggcgc tnttccgctt 360
tctcgctcac tgactcantg cnctcggtcg ttcggctgng gcgagcggta tcaactnact 420
caaaggcggt aatacgggta ttcacagaat naggggggata acgcaggaaa gnacatgtna 480
ncaaaaggcc ngcaaaaggc cagnaaccct gaaaaaggcc cncgttgctg gcgccatnna 540
catangcttc gacccccctga cagcatnaca aaantcgacc ttaagtcnga ngtggcgaaa 600
cccgncagga ctattnanat ccagcgtttc ccctggaact tcctaggcgc tttctgtncc 660
acctgcgtta ccgatcctgt ccgcttttnc ttnggaaant nngtttntat at 712

<210> 4781
<211> 710
<212> DNA
<213> Homo sapiens

<400> 4781
atccagctct tgtctttgca ggatccctcg attcgtgtgc ctaagggaag ggaatcagaa 60
ggtggagaga cttgaagttg cactcaagga ggccaaagaa agagtttcag attttgaaaa 120
gaaaacaagt aatcgttctg agattgaaac ccagacagag gggagcacag agaaagagaa 180
tgatgaagag aaaggcccgg agactgttgg aagcgaagtg gaagcactga acctccaggt 240
gacatctctg tttaaggagc ttcaagaggc tcatacaaaa ctcagcgaag ctgagctaat 300
gaagaagaga cttcaagaaa agtgtcaggc ccttgaaagg aaaaattctg caattccatc 360
agagttgaat gaaaagcaag agcttgttta tactaacaaa aagttagagc tacaagtgga 420
aagcatgcta tcagaaatca aaatggaaca ggctaaaaca gaggatgaaa agtccaaatt 480
aactgtgcta cagatgacac acaacaagct tcttcaagaa cataataatg cattgaaaac 540
aattgaggaa ctaacaagaa aagagtcaga aaaagtggac agggcagtgc tgaaggaact 600
gagtgaaaaa ctggaactgg cagagaaggc tctggcttcc aaacagctgc aaatggatga 660
aatgaagcaa accattgcca agcaggaaga ggcctggaaa ccatgaccat 710

<210> 4782
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(705)
<223> n = A,T,C or G

<400> 4782
tnctaggctc ttgttctttt gcaggatccc tcgattcgtt tggtcagttg caccttctgg 60
gtcactggta gccgcgggag ccgggtgggg cctaggcgat gatccggcat taaggagctg 120
ggatcatcct ccgtctcagg tggtttgggg aaagtgtagg ggcaaccaaa gatcatcggc 180
ttgactaggc cctttgccct gaacctcatg aagaaatgat aggaggcaga catatgtgcc 240
taaaaagagc gttgagctca gagaagagca actcggagtt ttgggggtgt gctttgattt 300
gtgtacatca atggcagaat catccagcga atcagatcac ttccgctgtc gtgaccgatt 360
gagtccatgg gctgccagat caacgcacag gggaactcga agtcttccta cagtagaagt 420
taccgagaag gtcaacacta taacaagtac tttacaggat accagtcgga acctgcgaca 480
agtggaccag atgcttggac gatacccgag aatacagtaa tggacaggcg ggtgccatag 540
aacatgtgag aaactacatt tgnttgcatt tctnctaccc acctttttg ggaatgaatg 600
ttttggggaa tggggctntn accttaagga aaaaaccnnt gngnaatgct ttaaaatttt 660
aaaactgatt taatatttta tagtttaagt ttaggtanct tgncn 705

<210> 4783
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 4783
tttgaatctg tctctctttn aaaccntngg ctncttgatg tttntgcgga tccctcgatt 60
gcgaatnntg cacgagatgg tgtttnccct ggaagctgag aanaatgggg ctttaatgga 120
acaaatngct cangaagctg tttgtnatgc agnttattat ggaaatggcc aaaaactgta 180
atgtggatcc aanagggtgt tttcgtctat ttttccagaa ngccnaagca gaggaagaag 240
gttattttga agcattcaaa aatgaacttg aagctttcaa gtcaagagta agactttatt 300
ctcaatcaca aagttttcaa cctatgacag ttcagaatca tgttccccat tctggtgttg 360
gatctatagg tttattagaa tccttaccac anaatccaga ttatcttcag tattctatca 420
gtacagctct ctgcagctta aactcggtgg tacataaaga agatgatgaa cccaaaatga 480
tggacactgt ataatttggt taagactgct gangccaagt gctattttgn tacaacgaaa 540
ggaagaactt ggctatttcn tgacactttt atgggtgctg cactttattc ttgngntngn 600
tttttgatgg ggagggaaag agnactgaaa tgttttcgna aatttttntt tanngtgccn 660
gcttaggnnt ncttggtntn gactctggtg tctngaataa gangagntgn tcccatatgt 720
ttngnnggna anc 733

<210> 4784
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(709)
<223> n = A,T,C or G

<400> 4784
tnaattcagc tcttgttctt tatgccgatc cctcgattcg aattcggcac gaggccaagt 60
atgcagtgtc aatggctaga agaatcggag ccagagtgta tgctctccct gaagaccttg 120
tggaagtaaa gcccaagatg gtcatgactg tgtttgcatg tttgatgggc aggggaatga 180

agagagtgta aaataaccaa tctgaataaa acagccatgc tcccaggtgc atgattcgca 240
ggtcagctat ttccaggtga agtgcttatg gcttaaggaa ctcttggcca ttcaaaggac 300
ttttcatttt gattaacagg actagcttat catgagagcc ctcaggggaa agggtttaag 360
aaaaacaact cctctttccc atagtcagag ttgaatttgt caggcacgcc tgaaatgtgc 420
tcatagccaa aacattttac tctctcctcc tagaatgctg cccttgacat ttcccattgc 480
tgtatgttat ttcttgctct gttatctttt gccctcttag aatgtccctc tcttgggact 540
tgcttagatg atgggatatg aatattatta gacagtaatt ttgctttcca tccagtatgc 600
tagttcttat tcgagaacta tggtcagagc gtatttggat atgagtatcc tttgcttatc 660
tttgtagtac tgaaaatttg cccgaagtaa ctggctgtgc agaatgtat 709

<210> 4785
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(831)
<223> n = A,T,C or G

<400> 4785
gnnngntgnc cggncnttta tacaatacag gctacttgtt ctttttgcag ggatcccatc 60
gattcgctga cctcctcctc agagaaagca ctggccaacc agttcctggc ccctggccgt 120
gtgccaacca cagccagaga gcgagtgccc gccacacaga cggtgcatnt gcantcacnn 180
gcgcggtaca ccagcgagat gcggagtgag ctactangca cggactctgc aatgtgagtc 240
accatgaaca caacatgact tgagggccaa ctgactaang acaagacatg tattcttgct 300
gccccagggc cttcatgcca tggactccnt gcnntgantn naacangagc atcaccaaac 360
tacncntgna nnaataccan gactnatgat aatggncccg anangaanca aagctctgna 420
cantggctna tacnttgtna tttncgtagc tgaagcatgn ggntcacctn nnntcangan 480
tttggngacc aacntnncna actntnactn taacncatgn cttttctaaa nnttnaaant 540
tttaatnncg nntncaacnt tcncaatntc tggnnttccc nanntgctnn gnnaggnaat 600
ctnncnntga ntaaaantnt ttnanacnca anaaagntgn agggtttcaa nntaagcttn 660
aananntant ncaaattnat actttntttn gngntnnnta ntagnnnnnn tnanaacnnn 720
tntntttctt antnatatta tnatagcnta atataanntt atantnatan ncnatnnann 780
naacgtctan annttttttat ntcnntaaan atttcttttn naaggntntc n 831

<210> 4786
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 4786
tttnnnngnt ttannncatt ttgctactng ttctttttgc aggatcccat cgattcggaa 60
ttatagtatt gacgtgaatc ccactgtggt atagattcca taatatgctt gaatattatg 120
atatagccat ttaataacat tgatttcatt ctgtttaatg aatttggaaa tatgcactga 180
aagaaatgta aaacatttag aatagctcgt gttatggaaa aaagtgcact gaatttatta 240
nacaaactta cgaatgctta acttntttac acagcatagg tgaaatcata tttgggctat 300
tgtatactat gaacaatttg taaatgtctt aatttgatgt aaataactct gaaacaagag 360
aaaaggtttt taacttanag tagccctaaa atatggatgt gcttatataa tcgcttagtt 420
ttggaactgt atctgagtaa cagaggacag ctgtttttta accctcttct gcaagtttgt 480
tgacctacat gggctaatat ggatactaaa aatactacat tgatctaaga agaaactagc 540

cttgtggagt atatagatgc ttttcattat acacacaaaa atccctgagg gacattttga 600
ggcatgaata taaaacattt ttatttcagt aactttnccc cctgtgtaaa gttactatgg 660
tttgggggta caacttcatt ctatagaata ttaagtggga agtgggtgaa ttctactttt 720
tatggttggg gtggaccaat ggctatcaag agtgacaaat naaggttaan ggatgattcc 780
caaaaaaaaa aaa 793

<210> 4787
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 4787
naatngcnag gctcntgctc tntgngcagg ancccatcga tncgaattcg gcacggaggt 60
tatgagtggt catngtgaaa atttggntga atacagcaan gtagcaagaa aatnncngnc 120
ntatntacta canttaacct ntatnaactg nnnngncata tgacatccaa atgttntatn 180
atnacctggn aaanttanta tagtntanga tactaaaaca gtatgnntac aaaagtgaac 240
tnnctgtgca nntntcacag gntttattca tgtgacacta tatantgcct anngtcacnt 300
ntcanccang ttcntctnna gtgnaantnn ntcnagngca tctngcacag atgctnnatt 360
gactanagaa tgaatncnnt gggcgnnnat acntgggcta actgcngnna tngatcattc 420
tananngcac tnatgnanat ancccccatan angccggaca gacggtanac atacnnanng 480
angcnccaga tnctttttann atgnatnatt gagatttnac cagtctcatg tgccccgcgt 540
tntgtgttnn nctnanacan gcngattnac nctgntctag ncatcttgnc tnnatcgnga 600
aataatggct cctgcctcca tnataatgtt taggagngaa atgnaannan ttcgcgtggg 660
cntgctngag tgcnaaaggc ctttacnngt tgngancnaa ntngggnagc nagttntcnc 720
cnnatngtac gctcccctna ncaatntccg 750

<210> 4788
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(716)
<223> n = A,T,C or G

<400> 4788
tgnnnttttg nttcnaatgc nngctcttgt tctttttgca ggatcccatc gattcgcgca 60
aacttttcan tctctctaaa gaagatgatg tccgccagta tgttgtaaga aagcccttaa 120
ataaagaagg taagaaacct aggaccaaag cacccaagat tcagcgtctt gttactccac 180
gtgtcctgca gcacaaacgg cggcgtattg ctctgaagaa gcagcgtacc aagaaaaata 240
aagaagaggc tgcagaatat gctaaacttt tggccaagag aatgaaggag gctaaggaga 300
agcgccagga acaaattgcg aagagacgca gactttcctc tctgcgagct tctacttcta 360
agtctgaatc cagtcagaaa taagattttt tgagtaacaa ataaataaga tcagactctg 420
aaaaaaaaaa aaaaaagcct ctagaactat agtgagtcgt attacgtaga tccagacatg 480
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 540
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 600
gttaacaaca acaattgcat tcattttatg tttcangttc anggggaggt gtgggangtt 660
ttttaattcg nggccgcgcg ccaatgcatt gggcccggac ccacttttgg tccntt 716

<210> 4789

<211> 792
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(792)
<223> n = A,T,C or G

<400> 4789
gnnnnnnnnn ttttnaacgc tngctacttg ttctttttgc aggatcccat cgattcgaat 60
tcggcacgag gagagcttgg gatgtggtaa tgccagccac actcctcaga gccgtggcca 120
gatctcatca tatattatca aaagcacatc agtgccgaag aatcggtcat ctaatgttaa 180
aaccacttaa ggaatttgaa aatacaacat gcagcacact gacaatacgt caaagcttgg 240
atttgttcct tcctgataaa acagctagtg gtttgaataa gtctcagatc ctggaaatga 300
accaaaaaaa gtcagatacc agcatgctgt ctccattaaa tgctgctcgt tgccaagatg 360
aaaaggcaca ccttccaacc atgaaatcct ttggtactca caggagagtg acccacaaac 420
caaatctgtt gggttctaaa tggtttataa aaatattaaa gaggcatttc tcatctgtat 480
caacggaaac atttgttcca aaacaagact tcccacaggt gaagagacca ctaaaagcat 540
ccaggaccag acagccatcc aggaccaacc ttccagttct gtctgtgaac gaggacctaa 600
tgcactgcac agcatttgca acggcagatg agtatcatct gggaaatctg tctcaagatc 660
tggccttcca cggatatgtt gaagtaacaa gcttgcctag agatgcagca aatattttgg 720
tgatgggtgt ggaaaattct gcaaaagaag gtgatcctgg aacaatattc ttcttcaggg 780
aaggagctgc tg 792

<210> 4790
<211> 829
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(829)
<223> n = A,T,C or G

<400> 4790
ggtggngggn ngtanttcta atgctggnct ctcngtctnn nncanganca cncnncggga 60
atnctcanna ncncaccttc nagcnccttn tgngagttct gatcanggna ttacactctt 120
ttnatggggg cctgcctgta agtgtagaca tgcacactca gctgacctta ctgntcaaaa 180
gctggagaaa aagaaacagc tttcatacag tgcaaactgt ctacgtctat gtaaaagaat 240
ttgagaaaca tggcagtagc cattgctaat taatctgggt atgtgtaaat agtttaactt 300
gatttttgac tctggngttc ggatctattt taagatcgat ggagttaatt gcttcatgac 360
agttcttatg aaacatgctt cnntatntcc ttgtgccaan gtntcgntta cagatnttnc 420
naaangaatt nactctgcna aatactgnaa tgacnnntcn ngtgngacnt gttaggcgna 480
acgatanatt tgngagntnt nttccttttg tatngatttg gnnttangat gcanganncn 540
nattttcanc cnagngtgnn catnaancct gacganaccn ctanttnttt ttaannnctg 600
tattaancac ctagantgcc ccggngnccn aaataactna ngncccacnt cntntaaaga 660
acttctgnna aanntagttn agnccntccn ggccnntaaa ntggggngat gnannaaaag 720
ncngaaaacc nntgtancca ccccntantg gngcnnctnn nnctattnnn tcnnnccgnt 780
nnctccntac atatcttncc ctnaaatnct ttgggcntca acnaatccg 829

<210> 4791
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 4791
nggnngttna tcnncntgnc agctcttgtt ntttttgcag gatcccatcg attcgaattc 60
ggcacgagct cagtaaccca attactagtn ccttttgaag agaccaggct gggaattggt 120
agtaataata atagctgaca tttaccaggg gctacccaca tgccaagcat catgctaatc 180
ttgccaggtc cttctgagtc antgtgaatg gcangagcac cacatgttcc tttntcttca 240
gttcacacac attgagtgtc ttcatgtgta agtaacaaca gagactgagg gcatatgtat 300
tgngtaaaaa aaaattttgt tactgggaaa atagccatta ctgggaaata gctttgttac 360
agaaagtcct tcatgtggct gggcacagtg gctcacgcct ggaatcccag cactttggga 420
ggccaaggtg ggtgggtcac ctgaagtcan gagtacaaga ccagcctggc caacgtggtg 480
aaactccgtc tctactaaaa atacaaaaaa attagctggg cttggtggca tacacctgtg 540
atcccatcta ctcgggangc tgagggagga gaattgcttg aacccgggan gcngacgttg 600
tagtgcgcca aaattgtgcc cttgcattnc agcctaggcn ngagagtgag actccgtctc 660
aaaaaaaaaa aaaaggtgat ttaattaaaa ccagatgaac ccttncatga tcacgtgcta 720
tgaattaaaa caanatnnna aaaaact 747

<210> 4792
<211> 860
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(860)
<223> n = A,T,C or G

<400> 4792
ctncttntnt tntnnnattt ttnanttntt tanatnantn tntttanttt ggtgtngntc 60
nttnttctan cctacacnct ctttctctat ctanancncg gggnttnnca aaaatntggc 120
tcttctatnn tntcngnctc ntctatnata cacccantgg cgaatccaca tncagggggt 180
ctncaccaaa gttccaacct ccaaagtgaa ngactccgtg gaacagcaag ggnaggtgaa 240
gaantaataa aagagaaaga aangaanaac ngcanaanaa aangaaaana gaaaagaaag 300
aactaaagtt agaaaaccac caggaaaact caaggaatca naancctaan aagcgcaaaa 360
agggacagga ngctnacctt gaggctggtg gggaggaagt ccctgangcc aatggctctg 420
cagggaanag gagcnngaag aagaancatc tcaaggacag cgccagtgat tgaanangca 480
cncntnggcg canggaatag gaanccngan gcactnggaa tttgaaacac attctannaa 540
gaaaaagatg aanctcccaa nancatnctg anggccgnga accanangac natgantgct 600
tcctgcaaaa ggttaattca actggtaatg gaactatttn aaagcaaatt ctgaaaccan 660
gnccccaga caatgnaaat naccattcna taaagcctna ggnaaaaaat gttttatgct 720
ccanttctta ccacaannntg acatnattga gccatnnacc atattcccna atgatggaaa 780
cttccctang tncattcntt ttaacnaaga aaattcaatc cnannaaccc cttaaccttt 840
naannttatt tanaaggnnn 860

<210> 4793
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1222)
<223> n = A,T,C or G

<400> 4793
gnnnttttttn ccctnaaaaa atgggccctt gggggttttt cccttaaaaa ttggnccttt 60
gggggttttc cnnaaaatnn nccttttgggn tntaannacc gngnccgttt tttcgngnna 120
naannngatn ntctnntncn nctnnnnnnn annnancnnn nnntncannt ctatnncnnc 180
nnnnannann tatcnnnnna ctctnntcaa ttcnnnnnnn actnnnntat nnnnatnnan 240
cnnnntgnnn annnnnntnt catcntcncn nantnncnct atnncnnnat ctnannctct 300
cntnnnnata nacctgncat aanactnnnn nncatagtcn cttnacanct tnttatancn 360
ctnatacacn atctnttcta antctantnn atnatanacn tccatcatna ttnnntactt 420
ncanaccccn ctnnccctac nctnanncnt cactcccnnc cnnatctntc tctnctatnn 480
natcantntn nnnccancca ctnnnacnnn ntactantct accnnncttn natctcnatn 540
natcatancc atncntccnc nccacnnttc ncctnttaac nnntntatnt caatanaatn 600
nnctnancna ttacntcnnc tcncntcttc attttnntta tctnctcatt aannnnnnct 660
ccnncntcan ntnnccntnt nntactcnnc natcccntaa ntnctccnca atcatactca 720
tcntctccat anatactcan atcctatacn nactatcanc tanntcttcn antatattnt 780
tcattnttac natccctctc tccntcannt ntnaanacnn cnanntacnc ttanatctat 840
ntntanatac antcnnntnn ncncaatntc anatnttcta tcatnctcnt aannatcctn 900
nntntnnnta taatcctanc nanccacann nnctccnnta tntnnnnaca catntatacn 960
cnactnannt tctcnntcct natnacatan cccacnctnt ncatacantc ntcncatntc 1020
ntnnnttnta ttnttcanct antaacatan tnanantcgt actnnnnann cancactncc 1080
ctcnttatat tcatcnatct ntacatacca tctannnann nacnnttcac nnatncntct 1140
ncttnaatta canncacnct cnntcatann tcgnntatat atcactctnt ncnanatcca 1200
ctntntctnt nntctccncc cg 1222

<210> 4794
<211> 1068
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1068)
<223> n = A,T,C or G

<400> 4794
ggngcctttn aaaatacccn gnttnnanac gcntngttac acncnctagc ttaaaagggg 60
gnggaaccct atggntgcat tgactgtggc aaggccttna gccnagaagt tttgccttgt 120
agcacatcag ggtatatcat acagggaaag actnccttng tatgtccnga angngggcaa 180
ccctgntcac agaagtcagg actcattaga catcangaaa atncactcag gagagaaacc 240
ctatnaatgc anngactgtg ggaaagcctt ncttncaaag acaangctca ntgtcannac 300
agaacnnaca cgggagagag accctatgnc tgngatgagt gtgagaaagc tnncttctat 360
atgtcntgcc nttgttaaac atnagcagaa tacactcann ggaagaaacn cnnggngatt 420
cannngaang nggaaatntc ctgaccacan ncanggtncn tntcnnnnag ttcctaanta 480
gaacaatggn gcnanngngg tanaaaggcc cctgntagna natannntna anaccttggt 540
nggcnnnnat ggatnnggnc nngtggggtn aatactgatg tgnatntctc nggntnancg 600
accantatnt tngcatntnt tcctattggn agnaatacct actntntaat ntcnnnatnt 660
nctgcgggan ntannnttnt ttagcatctn ctatccataa nnnncnaaat ngatcatcat 720
atnntcnatg nnctcatctn gtctnacact nttgggtngc catctgctnn agacatnnna 780
ctntaanctn taaattnatc gctnantann acccanngtg ntnaccagcn gtnacnncnn 840
gctnctcngt nnngtatant ntcacnatca tantcantga atntanngan acgngcatct 900
tntnannctg cctcnnactc tatcanaatn aagtnncncg aggnactcan antnactntc 960
nnntnnttcn canaatgtat catnnnctcn nnanantatt ttgantgcan atcatngnan 1020
acntatgaan ccnaatcatg tntattncna nngcnttact tntnancg 1068

<210> 4795
<211> 816
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(816)
<223> n = A,T,C or G

<400> 4795
tttctaaatn gcttgggttt cnaaatccct tggttgacgc cctcgcctaa nntggcgtgn 60
nantgcccnc gattcgctgn caagtctgga antcatattg gagcctgngt ngactgaaaa 120
ctcagcanga gttgatgtta aagtcttggg tctgaaattn gtngggcagg agattaggct 180
ggaaactcag gcagaatttc tgtgttacaa tcttgaggca taattcttct ccaaaaaaat 240
ctccattttt ttctcttaaa gccttggatg agccttggat gattggatga ggactaccca 300
cattatctag ggtaatctcc tttgcttaaa gtaaactcac tgtgttaatc acatcaacaa 360
aataccttca cagctacatg tagtgtttga ccaaacaact aggcaccata gcctagccac 420
ataaaattac tatcattata ctttgtctta tcacatactt ctaccttgga agggatattt 480
cccagttggt atagctacaa aacagaggca gatcatttag cctgcattng attngtantg 540
aaaaataagc ctttggtgng tttaaccact gaaaatgttt gcggcctatt agtantngca 600
caacttatcc tatnctggcc aaacatagaa tgctttcggt ttgcaaggta acangatccc 660
ctttacagnt gtacnaaaaa tnancnntaa aaaaactnga gccctntaga acntnntagt 720
ggagtcggan ttaacgttng ancccagacc ntggattang gatncattgg atggagtttg 780
gacataccac cancttggaa tggcnantga aaaaaa 816

<210> 4796
<211> 1094
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1094)
<223> n = A,T,C or G

<400> 4796
cnnncaaana cnnnnnnnaa nnnanaacaa cgggggcgnc ncnanttcaa anctggnaaa 60
cnnntccnnc acagncnacg aacgaaangg cacnagcnng cnaggaaacc gccncngcnc 120
agcaaccgaa ggccaggnaa ttttnaanat cggngnggga ggacagnggg ggncaatatg 180
ggcgggantn nncttcaaac angnaaaccn tnccnngngg cggggganac cncggncacc 240
atggannaan tncnacaana ccgnggggaa gacnggntat gcaggcnccg ccataaancc 300
ccccctacta aggcnncang gancaccaac agntggnggc cancaaaagc ntntaanaac 360
aanacctnac aanntcnnca ncnnttttngc ntatcccacc acnggganac angncaacgg 420
tggacnctcn aacaannaaa atnngaaaaa caaatctccc caanaatngg ggggngaacc 480
anngnnangn nanctnnaac canaccgtcn tgnaacnngc nccaatacaa ngggnngnan 540
gnngncanaa cangcnnngn accngcacgn aaggnggnng gcnngnatca cancaaacag 600
acaatatcca cggcgnaccc cnnncacncn ntnaacggga cccngagtac acacangcac 660
gaangcccnn ccngncccac ncccctgnaa ncgagaaaac naangccngg atacaaaaaa 720
ccccnaacca gccggncntn ncccccccaac nngannaaag naacanaccn cacannngcc 780
nnngacaaan cncnacaana nngggnaaac aaacnctatg gganatcccc ctanggnang 840
cngacccgnn aaacgganna ncacaancta aacaancngt ncacgccaaa aaaaacngcc 900
caaggcccca tcacngaang gaaaacncna nacggnnann anagncnccn taannaaann 960
ccncnncnng nncaatcncc cattcgaaaa ncncncnctn ccgcnaannn ggaanacnnt 1020
caaaaccccc cgannncgac nntatncagn aacannaaan ntggtgtnac cnncccnnnc 1080
ctaananatc nncc 1094

<210> 4797
<211> 930

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(930)
<223> n = A,T,C or G

<400> 4797
ttttgctaac cgctggncta ctcgntctct nngcaggatc ccatcgattc gaattcggca 60
cgaggtggag agcgcccagt ttccagagta tgatgacctc tactgcaagt actgctttgt 120
gtacggccag gactgggccc ccacagcggg tctggaggag gggatctcac agatcacatc 180
caagagccaa gatgtgcggc aagcactggt gtggaacttc cccattgatg tcacctttaa 240
aagcaccaac ccctacggct ggccacagat cgtgctcagc gtgtatggac cagatgtgtt 300
cgggaacgat gtggttcgag gctatggggc cgtgcacgtg cccttctcac ctggccggca 360
caaaaggacc atccccatgt ttgtcccana atctacgtct aaactgcaga agtttacaag 420
ctggttcatg gggcggnngc ccgagtacac agaccccaag gtggtggctc anggtgaagg 480
cccgnnaang gtgtgtttgn ggcccaaccn acnccaatag ctggnggca acacagaata 540
gntnctgtat aataatagtc tcattttcan agaaanannt tnntattccn ctcttnnttc 600
ctaatcncna ntncttatta ntntntaccn tcnnnnnncc ncctcatttn cnctntttca 660
ttttatcntt atcttatnnn nntcnancct actnntatta ctcctnncct nnantctcta 720
tncctacnac cttntaatac ctncttantc tanacttcnc nctctntacc ntctctctca 780
tnctntnnct actctctccc tctcttctnc tccatattat tcttctctnn nantctntct 840
tnttntctnc tattancntn cctntctntn tctactatat catcatntnc tntcnanctn 900
anntntctat ctcntacnta ctcanacaac 930

<210> 4798
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G

<400> 4798
aaaaagncag gcnacntgna gacanaagan cccanngaag aancncagga aaagcccacn 60
ccgaaggggn anacggacga gccnaggcaa aggncannaa gaacagngat ttacanacga 120
tntgcccnga ancncnnggg gngaaancag nggcngggcc accagnaaag aaacnagnnc 180
gcccaggncn nngangnana cnanaaacgn aaganganga gnnagggggg aancangaca 240
ggagaggcaa aannaaaagn nanananagn ggcnagncgg acngaagaaa naaacaaggg 300
gngaagnaca ngaacnaaga aanagcaaag anaacnnaaa gngaacaann ccagcgccna 360
gcannanccn aggangcaca naaaacagca ccaagaagac ngnannagca ngagagnnga 420
agaganggcg cncacgggga cacacnaggc aaacgcgana agcagnacng gncnaggngn 480
cgcgaagnan aagagacnca aggggangag agcanaaggg aacgggnngc aggaagaaga 540
caangnaacn caggaacgaa aaagggannc agaaagccgg agaanaacac ggngaganag 600
naccaaaggc naanaaggng acaangggca agagacanan accangnngg acnnaagang 660
cnacannagg naaaacanna gangaaanag gggaacanga angnaaaagn gaaannnggg 720
ggaaaaganc aaacnaaaca gaaaacgggn nnggaaaaan nacaanngaa naacanggng 780
ncaannggaa nnaaagggga n 801

<210> 4799
<211> 813
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(813)
<223> n = A,T,C or G

<400> 4799
gnnnttttna annncgttgg tttcnatgta ncatttacna gntctttttg caggatccca 60
tcgatcgcag gtccacagcc gaggtcganc ancggcacag cgaggtcggc agcggcncag 120
cgaggtcggc agttggcaca gcgaggtcgg cagcggcagc gaaggtcggc agcggcncan 180
cgaggtcggc aancggcagc naaggtcggc agcgggcccc cgctgtgctc ttccgcggac 240
tctgaatcat ggcnaaccac nggccacgat ggcgacctcg gctcggcgcg aaagcggctg 300
ctcaaaanag gaagacatga ctaaaagtgg aattcgagac cagctaagaa gtggatgtga 360
cccccacgtt cgacaccatg ggcctgcggg aggacctgct gcnggcatct acgcttacgg 420
ttttgaaaaa ccatcagcaa tccagcaacg agcaatcaag cagatcatca aanggagaga 480
tgtcatcgca cagtctcagt ccggccagga aaaacagcca ccttcagtat ctcagtcctn 540
cantgtttgg gatattcaag ttcgtgaaac tcaagctttg atcttggctc cacaagaaan 600
ttggctgtgc cagatncata aggggcttct tgcttntcgg tgactacatg aatgtccant 660
gccatgcctg cattggangg acccaatttt tggccaagga catcanggaa cctgggttta 720
cggacaacat gttttcncgg gcacttccaa ggccgtgttt ttganatnat ccttncaaaa 780
aaccctaang gacacctgct nttnaaaaat ttg 813

<210> 4800
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(776)
<223> n = A,T,C or G

<400> 4800
ttnaatnctt ggcttttcan aatngctgga ngactngttc tttntgnang accgcacgag 60
cacgaatncg gcacgaggtc actntgnaac ccagactggg agtgcancgg tgtggncata 120
gggnnctgng cctggnanng tntgntcgag ntgtnatcnc nantttgntt ttgggtctgt 180
agcttaanna tgcngannna ngatgcnnnn anngnttntg tnaganatgg ggtntancna 240
gtttnnncna ncngnnttca attncatggg ctcaantgaa ccnctgcnnt ggnctnctna 300
ntatnnggga ctnncagaca tgngnnanna gtnctggtgg canatctcaa tattanaggt 360
aatatgnnat agtgatatcn atgacngtac catttgnntc aaaatgtgaa aganataccg 420
ctgaagttan tatgtnctnc cttccaantc nagccgccat ntcnntcnac tcngcnanta 480
tgtcgactca naatgaatga tngacatttn ngntantncn gcatcctatc nagtgctatt 540
atnnctanan atntcnataa ttnnctngnc cctnnancct acanncntng tcgnatgtnt 600
atccnncttn ntggancttt gaaannttcg atagggggaa cntgatnagn gcagtntnac 660
anaatgnttg cnanttntna ntcggaaana tcnaattngg gnagctgnta aacancnngg 720
gcntaccttt ntaatgtncn ngggtntnta antcaaccng gntncngaaa aanaac 776

<210> 4801
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(720)
<223> n = A,T,C or G

<400> 4801
tnnnnntttt naantcaatn ctggctctcg ttctttntgc aggatccctc gattcgaatt 60
cggcacgaga tggcagttgc ttttgaagta tatgatgact tcctccacta caaaaagggg 120
atctaccacc acactggtct aagagaccct ttcaacccct ttgagctgac taatcatgct 180
gttctgcttg tgggctatgg cactgactca gcctctggga tggattactg gattgttaaa 240
aacagctggg gcaccggctg gggtgagaat ggctacttcc ggatccgcag aggaactgat 300
gagtgtgcaa ttgagagcat agcagtggca gccacaccaa ttcctaaatt gtagggtatg 360
ccttccagta tttcataatg atctgcatca gttgtaaagg ggaattggta tattcacaga 420
ctgtagactt tcagcagcaa tctcagaagc ttacaaatag atttccatga agatatttgt 480
cttcagaatt aaaactgccc ttaattttaa tatacctttc aatcggccac tggccatttt 540
tttctaagta ttcaattaag tgggaatttt ctggaagatg gtcagctatg aagtaataga 600
gtttgcttaa tcatttgtaa ttcaaacatg ctatattttt taaaatcaat gtgaaaacat 660
agacttattt ttaaaattgt ccaatcacaa gaaaataatg gcaataatta tcaaaacttt 720

<210> 4802
<211> 1117
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1117)
<223> n = A,T,C or G

<400> 4802
atnncnnnnn nancncatnt nctantcctn acnantnnnc ttncncntnn nntnntnctn 60
ananttggna tntagnggna ttcnaatncc cagctntngn nctntttgca ggatcccatc 120
gattcgaatn nggcacgagg aggaattcag ctatcagctc tcttcatgag tggagtagac 180
atggccttgt ttgcaaatga ngnntgcnga caaaccaatc ccctgggaac actgttgtcc 240
ttggatgtat tttgatggga agctcttcca atccaaactc ctcaaagcca gccgggaaaa 300
gaccccactc attgacctct gtgatggtca agctgatcag gctgccaagg tagagaagat 360
gcnccatanc gtcctcnaaa gggctcagct tctncaggca nagccacann cttnccttta 420
ccgncgtcac ctgcnctgct cttttacccc tgtctntgnn tacccccntn nacttttan 480
nccnnntncc aacccctntt aatggcncnn ngncantaat gctntttnca ttncnnttct 540
nttngnnctt nntctcctan gnccccccte attatngcgn naaanncacn gactatnttn 600
ntctnatggg cntcccttta accncncntg nncacactnc tcnntcntan tntnnatntn 660
tctncnatnn tannennctc aatatcntcn ccatcacnnt atctatcctc nngtncctnt 720
ctnnctnant tnnnatcana ttttctattt nncnactcat ntctctacna tcntantnta 780
tnnntatcaa tctcananta nactantatn tcantntnct acannatata atatnctctt 840
ttnatntntn tnntnatcat ntanatnatc tntcntnnat anctacatct ctctntctnn 900
ncatntcatn tagatacann tanatntagn taattatann ncttnttctt anttncnnnn 960
nttcncntnt catcnctctn nnncgtannn ctctccnntc attcnattca tacttcnnat 1020
tgatnatnca ntannccatc ataatntcac ntccctcata ncttnttctn caannтatnn 1080
anattctcna tatttcntta tctatananc nttgccn 1117

<210> 4803
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 4803

ttcaaatngn aggctctngt tctttttgca ggatcccatc gattcggnag antcccatnt 60
ctnnctgctg acgagggacc tgctttggtg agtncgggaa ggcccaggga gtngnggcat 120
gcnggctnct nattcactat ggggnttcgc cntggacacg tantcaantg cgcatgctgc 180
tgcccatgtn tncctgcccc acttcaccca nttgggggct gctcaagggt ngnnnggcnt 240
cngtggctgg aggccagtat ttanacaagg ctctgtacat gacacncaac tgtgctnana 300
gtnccttcnc tcngactaca ccnatgnttt nacagtnccc tnntgnnnnn tcntnttact 360
acagtgcnan aacccnaatg ancntttnnt tcctgctnna tgccnncnnn antnnnngac 420
nttntgttaa tgttaacnaa gtgtgtacac tttaaancca catattgtat ggtntcctgt 480
annatnangt gccngaacat gnacatttcg atanccanag attagattan nggttntcat 540
anggctgggg gaannggcat ancttagtga ttggtaatga tntgggattt nttttgggaa 600
tgaatgaaaa tattctaaaa ttngttgggn nnttatccna attctacgaa atattnttaa 660
aaaacccacn tgaatttgnc tactttaagn agagtgaaat ttnatgtcct tgttcctcna 720
attaagcttg ngnaaaaaga tcgtaaaanc nngatnnnaa ntttctntna nntngnnctn 780
t 781

<210> 4804
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 4804
aagctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga aggctgagac 60
anganaatgn cntnaatngn ngaggcagag cttgcagtcn nttcgagatc acnccactgn 120
actncaaccn gngagacana ntnngactcc ntctnatacn atgngaaccc taaaatatgg 180
gntttntgca cattccagat ctcaanancn tgattctaan tgaaagatgg caatatncca 240
tcagaccagg tnttntctag ntccntntta cgaaatgtcc acaaatggca ggatcttcag 300
antcctagtn actgctantg ntncnaggaa tntttntnng gngactanna tgtnctaaan 360
ctnantggag gtgatggtnn aacnantngg tcactncact aagaatcatt nnatngnnac 420
tctatntggg canatantat ngcnaatgta ccttaatnan atcatgcttn aangtcaatt 480
aatccactca tgaanttnan cctctananc tnnagtgann ngtattacgn ncatnccnac 540
ttgntnagat ccttggatga ntatcggact aacccntnat cttatgcagn ntacaaaaat 600
gccttttnna gggnaaatnt gcgatgctat ntgcnttatc cntaaccatt tgtacnntcc 660
catttaacag ggttaccnnc catccaattg gcaatngatt ttatggnttc ntggtttncn 720
ggggttngat ttgngaangt ttnnttantt tcc 753

<210> 4805
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 4805
agggnnnnnt tttnagatac agctacttgt tctttttgca ggatcccatc gattcgaatt 60
cggcacgagg tttgatcatn ggncaaggtn ctggngagaa ctgcctntgn ggntagctga 120
ttnnggggtc cttcatatga acganctgnn tggagcactc acaggactca cccgggtacn 180
aagattccaa cangatgatg ctnacatatt ctgtgccatg gancagattg aagatgaaat 240
aaaaggttgn tnggattttn tacntacggn tatagcgtat tnggatnttc ttttaaacta 300

aacctttnta ctcncccgga aaaattcctt ggagatatng aagnatggga tcaagctgag 360
aaacaacttg aaaacagtct gaatgaattn ggtgaaaagt gggganttaaa ctctggagat 420
ggancttttct atggcccaaa gattgacata canattaaag atgcaattgg gcggnaccac 480
cagtgtgcaa ccatccagct ggatttccag tngcccatta natttaatct tacttatgta 540
agccatgatg gtgatgatna gaaaaggcca gtgattgttc attgagccat cttgggatca 600
gtggnaagaa tgattgctat gctnacanga aaactattgg nggcaaatgg gccttttngc 660
tgtccctttg ncaggtaatg gtagttccag tnggacccaa ctgtgatgaa tttcccaaaa 720
ngacnacacc attncacgat 740

<210> 4806
<211> 824
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(824)
<223> n = A,T,C or G

<400> 4806
gncnctttca acttcgcccc ttttnaaacc cgttgttcaa atcctcgttt caancccntc 60
tgcaggatcc catcgattcg aancngcacg agggggnnnn ncgtggcnna ttgcgngcag 120
tacccttcna gcncngngna aagtgcagnc anncgtaaca catgcggcan acngcannga 180
gcanaatgnt aatgnccact tcttgantca tnccagaact cccttaagcc cacaagtttg 240
tnnngngnna ggtcaantct aggaacncng ccgngnaacn ggtntctcaa tnnagncatc 300
cttanttnct gcatanacan gagngttctt aaaacnnctc cngtaaagca agncatntct 360
ganntncctg aggatcattg ctcccgnata cngntgntgg ggtgagcctt caggnagang 420
ggaacagaat nnngtactag ggtcganagt caananacta aggcncttna ncaacatctc 480
agagcanann atttgnggag cccntggaac gntactgggn aatttantca gtgngcattt 540
ntnaagactg ggnccagggn tggantnatc tnttggcgan gggnncntag ngcctcanca 600
caacactgng cnagcccngg acttagnaaa cccctgcana aactggnnna annggcctnt 660
taaaantncc ccanangtnn accccnnaag aagcncggna agccccnaaa ctnccaaacc 720
aaccnctntc tttcctcnnc naantnnaca ncntgggggt ntgcnttggt nnnaaatngn 780
nccnanaant gcaccagntc nacnntagtc nnggggnacg gnnc 824

<210> 4807
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 4807
tntagataca gctcttgttc tttttgcagg atccctcgat tcgaattcgg cacgagattc 60
ctttcatggt acagtattta ccccaagtca tgattaaata tctgtttata tatttcttta 120
ttggattatt tgtttatttt tctctctcta gactgcaagc tccttgagca gaccatgttt 180
attttgtcta ccacaggtgc tcaataaata tttttgacta tttattacat gagaaggttt 240
ccatgcaaac acccattgaa tacgattgaa cttgaaccct aagagatggg ctgtgacctt 300
tgttgccctc aaactaatca aaggggagtg atattcacca tccagaatct agaataactt 360
anaccttgtg ggccaggagc tagctaccca tatgataata caagagctct cagagaaatc 420
atggaagttt tgagcaatct ctctctccct ttgctaattt acttttcaaa actgaagtat 480
aatgggaata acttccccac ctctcaaatg tcagcatgct ctgaaatttc atgttctctc 540
aggcgagccg attcatgttt tccattccac cctcttctac tgggctctct atgccctttc 600

tacagtctcg nttnttttac cctgggccct tttncctttg gggctcttga ttgaaaaaat 660
tgctgaactg tagctttngg aagtttaanc ttttgagaac ccgtagantg atttcagttc 720
ttaggaaaaa taaaancccg ttgnn 745

<210> 4808
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = A,T,C or G

<400> 4808
tnnnnncttna aatnganagc tacttgttct ttttgcagga tcccatcgat tcgcttttta 60
acaatctggg gctgtgttgc ttctatgccc agcagtatga tatgactctg acctcatttg 120
aacgtgccct ttctttggct gaaaatgaag aagaggcagc tgatgtctgg tacaacttgg 180
gacatgtagc tgtggagata caaatttggc ccatcagtgc ttcaggctgg ctctggtcaa 240
caacaacaac cacgccgagg cctacaacaa cctggctgtg ctggagatgc ggaagggcca 300
cgttgaacag gcaagggcac tattacaaac tgcatcatca ttagcacccc atatgtatga 360
accgcatttt aattttgcaa caatctctga taagattgga gatctgcaga gaagctatgt 420
tgctgcgcag aagtctgaag cagcatttcc agaccatgtg gacacacaac atttaattaa 480
acaattaagg cagcattttg ctatgctctg attgttcctt agaccacata tgttcttatg 540
aagcagcatt atgcaagggg aaaaaagcac tatgtctgtg tatgtatgta tatagtgtaa 600
tacgtatatt ttaacaaacc tgtccttgat attaagttaa ngtgacacat aagggtgaca 660
cagaatgtgt aatgcaaatt tcatagtaat agtaacttta taaaataata tta 713

<210> 4809
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 4809
gnnggnnnnn nnnttgcnaa tgctaggcta cttgttcttt ttgcaggatc ccatcgattc 60
gaattcggca cgaggtggag ctcacctatt tggaatatgg ggcatttgtt ttttccactg 120
caatgatttc agtctggttt catcatgttg gaattcgatc acaccatttt caaacaatgt 180
taacatagtc cagcttttgt ttttctcatc tcttctgaga ggagactcac tgtttctgtc 240
tgaggaagct cataccctcg gcaaaacatc aggacaaata aagagaaatg ggggtacgca 300
ttcccaacag aagcagtgtg ttatttgttt taaaactctg aacagagatc ttggaaatct 360
ttcaaaaaga ccattgaatt cttcattggc tgagaacgac gttttaaaat gtcttaaata 420
aggctttgtt tgcattgttt gagttcaagg ggccttatta ttgaatggaa ttgcacaagc 480
ctttctttgt gcaatcaaac cattgntatt ggtagttctg taaaggaaac tgtggaatcg 540
aattggcagt ggagtcataa atctatttac tgagtgtggc ttccaagaaa atgttgcaat 600
tcaaaatgcc taaagtctgt gatttattng gagatttggg agattcttaa ataatatttt 660
ttaaaaaact tccatgccaa cnttcttggn ttaaatggtt tggcaacctn ccccttgatn 720
aaaaaaatta aaaccaggcc caaatggtnc tcaaatttaa aatct 765

<210> 4810
<211> 800
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(800)
<223> n = A,T,C or G

<400> 4810
aananggccn ggcnncnngg nnnngccnnc gnaagccctt tgnangnaac ccctctggga 60
angcccccan cggcggancc cngcgccgng gnacncggca cgnggcagac nanacnanag 120
gttgacgngc cnttttcgan caggngacgc acnacncngg cnggggganc cccangccgg 180
gcagnncggc cgggggcccg gccacgaaga acgcgggccn gggcgccncg accnnggccg 240
cagataccan caacgggcag ggggcgnnct nnnggcccag caagaagggc gaaaangagg 300
ccgacggntg ccnggcgcgg caccacgant ggcacccnng ancggggaca cgcgagagag 360
cangtggggg ccgcgacaca ggggagacgg cggagccgng ggacangggg ngagaaccac 420
agncncnnag cncgccagcg ccggnaacag ggcnggnctc cangcccgna ggcnncgacn 480
cgngcaaaac ngcnggccna ccggncncca cantgaaaga cnggaggaga acgggganng 540
aangacnggg ngcangaggg ntgagnnggc caacanggng cnaacaaang nnccacnacg 600
cccgngngga nggcagngnc agcggnggag aaggaggacc ncaaaggcga cggngcaggg 660
acgcacnggg naaaaccccc aanaggcang gaggggacnn ggcgnaaggg ccggggaggn 720
nngnaagggg ggcccggnng ccngggcccc nngnacccnn aaggcccncn ngggggggca 780
aananngccc nnnngaacna 800

<210> 4811
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 4811
ngttgatcaa gctcttgttc tttttgcagg atcccatcga ttcgaattcg gcacgagcac 60
agacccagaa cctgctatgc ggaacaaggc tgatcagcaa cttgtggaaa tagacaaaaa 120
atatgctgga ttcattcata tgaaagcagt ggctggtatg aagatgtctt accaggtaca 180
acaggcaatc aacacatgcc taaaagatcc tgtaaggggt ttcagacaag acgagtcctc 240
tagcgctttg tgttcacacc tttactccat gatccgtgga aaccgccaac acagacgagc 300
ctttcttatt tctttactca acctctttga tgacacagca aaaacagacg tgactatgct 360
cttgtatata gcagacaatc tagcctgttt tccataccag acacaggaag agccgttgtt 420
tataatgcat catatagaca ttacactctc agtttctggt agtaacctac tgcagtcatt 480
caaggagtct atggtaaagg acaaaaggaa agagagaaaa tcatcaccta gtaaggaaaa 540
tgagtcaagc gacagtgaag aagaagtttc caggcctcgg aagtcacgga aacgtgtaga 600
ttcagattca gattcagatt cagaagacga tataaattca gtgatgaaat gttgccagaa 660
aattcagctc ctttaatcga atttgcaaat gtgtccaagg tattttatta cttctcatgt 720
taaaacaaca tttgaagaat c 741

<210> 4812
<211> 817
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(817)

<223> n = A,T,C or G

<400> 4812
aaatntacag tttcnngacc nttgggcagg catcccatcg attcgaatnc ggcacgnagg 60
atntactggc cnattggaat cnnnaacctg anttagaaag gctcaacgag ancangctnt 120
cagggctgct aaggaagcaa aaaaggctaa gcaagcatct aaaaagactg caatggctgc 180
tgctaaggca cctacaaagg cagcacctac ncaaaanatt gtgaagcctg tgaaagtttc 240
aggtntcaat gtntactcan gatggaatga tnnangcatc tggctcacgn tgaagggctc 300
gcntnaccna tnacactgtc gtcctgcanc acanncncag catgnntgtn ctntgcttca 360
aagnctgana anctcttcat ntcnatttgn ntnacacnct gcntgacctn gccctctnat 420
acnacntgtt tctaacccgn acntnttccn tctatnntnt tntcctngcn aangnncata 480
tgngccnagn cngcncgngc ctcacatctc gtgctcntgg cnncttntgc tgcctgaaac 540
tcccttgnct tacgtntgtc tcntngggta ngccctntcn ctntttcnag acttggntcn 600
aangtgtaca acatntantg tnnangcctt tctnnaggat canctaantg nntggacacn 660
attantaagn cttnctntta antacttnnn attcaattng ctccttcata cattcntgnt 720
aaattgttcc ctanctggnn nagcaattan atngcattnt tantagtnnn gnntcccntn 780
tntgnttaat gcctcnctta tngggcggtn ngggtcg 817

<210> 4813
<211> 1359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1359)
<223> n = A,T,C or G

<400> 4813
ttngnnaaaa ntcnnctana atcnactttn tggnnatact tcggtcntat anctaganga 60
naaggggnat cccccantcn gnatctcggn acntnntang ctaatcatna gctatnnnat 120
tntttacnca tgnattctac tannnntcat ntataataac nncctaaatn antcnnaata 180
nnaagnntnc tnnggganat antctnnnna tnntngantc nannnnannt atntcaatta 240
ncnccataac taanatanta tntatntnna tnttanttnt actantnnat annacttann 300
nantactnnn natacnanna tatannanan acnacnnnnt tnttnntntt tctntaaatc 360
aannnnnntc ntatattact ttncnnattn tnnatnatnn tnnatnnnat anannennnt 420
tattntcnnn natattcnnt atttnnanna taatcnctaa tcnaatanna tnataacnnn 480
cctatcatac aataagnaat acnantcctn nnnnncnnnc tanctatctt nnttcnnnnt 540
natanntttt ntgatnncnn atcantntna atacctntat actnatatnt tatcatntnn 600
annntnannn caantatatt natnanacnc aaactactcn actntntcna nttaancaaa 660
nanntantcc atatntctnc annncnntga ntattanana gatctntnac tntatancca 720
nannnnattg nncanatana tatcantact acatataant ctacnntnac tnntaactna 780
naannnnact atnactcgat tntctatnca cttatnncan nactactacn cataacanca 840
gtntntcgcn tacntatanc gagtnatctn nttttaaatn tatatnacat actcnanaat 900
ancnatcnat nattactana catatnatca actatatang tnnagtanaa atcatctttt 960
naattnntaa ctaacagnnt atnaactana tgnatatnaa tacatanant atncaaactc 1020
ntnnctcaca ncgttataaa ataaccntat aanattgntn tatacagnan atacttatna 1080
acttngnatt ntatatntcn cntctaanna taccattata atgcnatnac actatntaat 1140
actatanang ctanatcgtn nnatgnntct cncncttatn tacnactgcg antcannnnc 1200
ntnttatcgn tctcatncga ttntaccnan catanatata cccatattat antantntgt 1260
nannctntat atatntatat natactnann ttngnnatnt catatntnan tctcncagat 1320
nntacanntn tnatantatn aatgcctata ntacatncg 1359

<210> 4814
<211> 858
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(858)
<223> n = A,T,C or G

<400> 4814
cttgaattcc cctaatnaaa ccgtttggna agcccnatnn ctntaggnnn ncnntgcgnt 60
nacgatncgn cacgagggnn ccactgacca cnantatgtc gnacntttna caanggcctg 120
aactaacntn aanaatnnca aancatcnna acggancggc cctgcctnaa cngacgacgn 180
ntcccnttga gnnatagccn ngccccnact taactgagtn attaaccntg tatnntntnc 240
ttcngnnggc tcagaagctg atngantnan cncnatcacg accatcganc ttgctcnccn 300
nagancnncc cagtnaggnt nattnagnat tnnctnccnn nancntatna naatggccgc 360
tcccttgatc nancnatcng tgactctcat ntactggact catnccacct gcacccangc 420
gnatntaaan atccccatag ntcacnnnaa tnataanaca taaattagga tacanacctg 480
attganatgt tnnagctgaa caggntntac cnnctgnann ctcttgggng ttaactatgg 540
atatgaacnt cactttgaaa actgggannc nnaacgggga ttncttaaat nccttnttgc 600
tataggcnaa tanttnccgg gagaggntgg agtatcnngg atgaancaat tcanctttac 660
tgaanaaagt gggcncggnc tngaatccat agggnaaaac canttgttaa nattatnggg 720
ttccaacgna annectgagn taacnttcca aanggnttgn aagantttgg gaaggcntga 780
atgggancaa ngggggctcc cnatccaaan aaattgtcaa ntttcaagtn cctnggccct 840
ttntnaaacn ntngaant 858

<210> 4815
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(716)
<223> n = A,T,C or G

<400> 4815
tgnnnttttg nttcnaatgc nngctcttgt tctttttgca ggatcccatc gattcgcgca 60
aacttttcan tctctctaaa gaagatgatg tccgccagta tgttgtaaga aagcccttaa 120
ataaagaagg taagaaacct aggaccaaag cacccaagat tcagcgtctt gttactccac 180
gtgtcctgca gcacaaacgg cggcgtattg ctctgaagaa gcagcgtacc aagaaaaata 240
aagaagaggc tgcagaatat gctaaacttt tggccaagag aatgaaggag gctaaggaga 300
agcgccagga acaaattgcg aagagacgca gactttcctc tctgcgagct tctacttcta 360
agtctgaatc cagtcagaaa taagattttt tgagtaacaa ataaataaga tcagactctg 420
aaaaaaaaaa aaaaaagcct ctagaactat agtgagtcgt attacgtaga tccagacatg 480
ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt 540
atttgtgaaa tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa 600
gttaacaaca acaattgcat tcattttatg tttcangttc anggggaggt gtgggangtt 660
ttttaattcg nggccgcgcg ccaatgcatt gggcccggac ccacttttgg tccntt 716

<210> 4816
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)

<223> n = A,T,C or G

<400> 4816
naancnatag ttcntgtnct ttttgcagga tccctcgatt cgantgcgnc tnaagnancn 60
gcncaggnct annctcaccc cattactggc tgntgttcta tgnaggtctn atganggnan 120
ctgacnnaga ccgtgnnagt aacnttggac tctnctncan tgnactaaga ananacnaat 180
gtgggcnngc catntgcccn nctcgtntga ncacancnan nnaagagnct ccagcatggc 240
aattgcnatt cacccngaat gctgtncatg aagngaactn ngttcnngng acggcattcc 300
nacctgngcc natgcccatg acnaggantc nactggannt cnagaannnt gctnntgngc 360
ctcntnaang gcnnntgtat ngctcaccat ggagccctng nggncnttgg acntnannta 420
ctatgacagg ccanancact gactgaccan cntngatgac ggctcntgtn tacctatgaa 480
ttganntgca tnananctng agngatcaaa gttacnannt ggtacacctc tnnctcagng 540
atttctcagg tnnctcgatn tcaannctta atatntacan ngctaattgc acttagaccc 600
tgncacgttc tngatgtnan acntccttga cnnnatngtn acatntttnt tcatgnctta 660
aaagtnaatt ggtngcanag tttctttcna tnccggatgc tctgctntta cncaangata 720
cgngattnaa tgtnaangnt cgtcaggaag nntttantga acttnct 767

<210> 4817
<211> 1154
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1154)
<223> n = A,T,C or G

<400> 4817
ngggggaggg ntgaggtgta aannnnctcn tanntattta ccaagcctta ctntgggttt 60
ctttttttgg gccaggggaa ttccccattc gnatttggng gaaatttcgg gcnaccgaaa 120
ggcagcaagg gtntntggtn ccacttgggg gttgccaaag gggcttaaan aatgncttcc 180
aagtttaaaa aggccagngc aaaaattaac cgtnggggtt cgngcttgga aaaaaaatac 240
cgtggtcaat tttcttaaag gttgtggatt tatttggcaa agnttnaaan aaatggaaat 300
tggatgnttt tccaacnaaa ntaaggggtt atttggtaaa tttcaagggg gtattagcca 360
caccaatttt taaatggtaa agcccnaana aaggatggtt ttgtnaccac gtttncnaaa 420
naaaaattag tnacctggta tccanntccc aagttggtcc cacttttcnc ttcctaaacc 480
tttccttggc cctaccgcca acnagcacca ctttananat tancnttgcc accgaatttn 540
cctngaagcc acngggaaaa gggaatacct tttacttgga ccctggtttc accgaaancc 600
gaccttnttt agaccctnaa tgaaccctta ttttcactng ggttnantaa nacctttgtc 660
ntttggggcc aggnccttnt ttcaaccctn ggaatgcttn aagggtngga aaactaggan 720
ttacccnaac ccttggcccc tttcantngn aantnnacat accccatttg gttngtgcta 780
cctttngggn attaccccat tnctttannc cccngnantn ccanggngtn ccatcantgg 840
ttcctangta aaatnncgga aactttctta annggnangg acttgaangg ncanagnang 900
aaatttngcg gtagaataac cctnnnaaan ngtcnnaatn tgnttaannt nctttaacc 960
ttgaaaaatc ntagcncnca cttggttanc tntttgcccc ntttnncccn ncnnnannnt 1020
tggcactttc cgntattccc ctnanaaaat ttaccngctn gacatatntt nactcccngt 1080
gccnttnggt tnanaccacc acccntgnta gtntcccaaa cttcntncct catgctacnt 1140
ctacggggag gtct 1154

<210> 4818
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(766)
<223> n = A,T,C or G

<400> 4818
ttnnnnnnnn gtnntttaag ntacaggnta caannectng gctactngtt ctttctgcag 60
gaanccatgc gcntngcaat gctgancnag ggctntnntc atgtatccac tggnttctgc 120
cncccaaant gctngactgc agnngtgtga tcatggctna ctgcnncctt gacctcctgg 180
gctagagcan ntngccttcc tangactctc aaantgctgg gattacaggt gtgagccana 240
ngngcgtggc ctctttttac nnnattgnna nnnnaattat tanggnannn tcnaaggcnn 300
aatgnattgn caccntcnnt gctcacctnn gacttgaccn gntganctca tgnnatcnna 360
nnaccncatn ctttcnanna gctntgacta cnagcagcac accancctan ccngctagtc 420
tgtatggcgg agcacacaca tggaatcaac tcgtgtgccc aactcaggta gaactacngt 480
actnaagnga tncnnccgtc tgnncncnna nggtgtcnng nttacacntt tgagcnattn 540
cacangggnn atntcntcnn tnntcaaatc ttacaccttg ggctangctt ggaagtgtaa 600
ngnatatanc tgangacncc ttagntttat gaagctncat tgagggtncc tgtaccaann 660
atggncgcat ccaactggnt tccatcttct taatcagaaa tntnacattg gngcagnnga 720
aaaaaaaaaa agaactcgag gccttanact atagtgagtc gtntng 766

<210> 4819
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G

<400> 4819
ttaagccttt gntatctgtt ctttttgcag gatcccatcg attcgcgcaa actttncant 60
ctctctaaag aagatgatgt ccgccagtat gttgtaagaa agcccttaaa taaagaaggt 120
aacaaaccta ngaccaaagc acccangatt cagcgtnttg ttactncacg tgtcctgcan 180
cacanacggc ggnntnttgc tctgacaagc anngtccaag aanagtaacc ataaggctgc 240
agaatatgct agactcttgn cntcagaatg aangcngctt ggcgnagccc annaacacan 300
tgcgaagagc ctatgctgcn tctctgtagc nntctctaan tatgatcnnn nngaaatcat 360
nntatgannc caatgataan acagcttaag aacgnggaaa nccttaactt ccagnnatcg 420
ctatctcngn agatctntat tggcannnnc tgangnaaga tgttatctaa atgntgtcgt 480
tatgtcnctt actgatncag tacacncttn atcatttgta ngntgtgngt tggagtctaa 540
ttggcnncnc ttcttncctn acctcttagt cttatgtga 579

<210> 4820
<211> 1028
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1028)
<223> n = A,T,C or G

<400> 4820
cccccgccgn anaaactnnn cnnatnnang nnncnnaann caccnnncan cnnnanannn 60
gnacgnnnan ncncnnngca cnnnanacng canaggannt gncncncgga ttnnccntga 120
acctggaaac cgcntctanc aggagnccng cgattcgaat tcggcacgag agnncacagg 180
nnntgcgncg acnanngcta aangcnanaa cgggaannga gaagncgngg annnggngag 240
ncgatgacng gacacancnn atnngncaag nnggacgctt gnnnacgcag cnggaccnac 300

anggtgcaag angccntcga cnacatanaa nnaccanaaa aaaccccnagg cacgnggcac 360
ntcnccccgg agnaangcan cncnnnggga nngccgacag ngctgagaaa nngcngnaan 420
ccaggaggtg gaanangnac gagcaccnga naggcgccat ngcnctncan nnnnngcann 480
nancagtgca ctntnnncac angaaacaac acnacagana gtcaagcacc nnaaaanctc 540
antacacnnc cacaaggagc gcnnntggac ccngctncta agncggangt nggnntaaga 600
cnatcgngan cccaccaann tccntggcca angnnaaaan angcnaaaan nggnccntgn 660
tcggcannnn gcnaantagc antgaaaaaa nccggnncca tnaaaaanca acgggnncaa 720
ncctnntnan ngngngnngc aanagngggg gcncaaanag naaaccccnna ttgcacgcgn 780
aggtnnntaa ttagagggng gcanacggga cancacncgg accgnaanta nggcccncna 840
canaaactnn acccaaatcg cccagggaaa ncgnaaacgn gacttttnac agaacttgna 900
ancgnacgaa ccccncgann agtnacanaa ngcagnnaga naaaaaantg ngtcngcncn 960
nnangnngnc tcatagggga cnnaaanaac atagggganac acaccgngag cnaanaanat 1020
taagggcg 1028

<210> 4821
<211> 832
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(832)
<223> n = A,T,C or G

<400> 4821
antggnaann ngggcaanaa nncccttaag aannactgaa nggaaaagcc cgnagcgnnt 60
gggnggaann gggacgngag gggnnggang agggggtaca gaccggnttt tggncgncgn 120
nttncganga ncganggngg ggnanntngg gggggnangn naaggggcgg cagngggana 180
aagatgcggn ggcgaggcca ngaaaggang gaagggaaga ngggaannaa gncaggngnc 240
ccnngggcaa caaggaggnn aggggnacag gnagnaaagn ngnggaagng gaccggagca 300
gncnaaacng ggagngnaan aggngggaag naanggagng ngcanaagnn gagagagagn 360
acncagngna gaaacaggcn nnagagaagc agcnggngna aaaacnggcn ggnannagng 420
anagggagag gaggnannaa aggcangnga aaagaaggan ggcagangga aggannggna 480
anaagcccan gagagnnggn nnacnagaga anggggcaaa ggcgacaggn gggaaaggna 540
aagggganggn agaanngnag ggggcnngaa gnaacgagac gnngganngg ggaggnanaa 600
nggnnaanna gagggngaag gaaaggacaa gnggnngana gnggnnagac gnangcngaa 660
naggagggga ggagnaacng agnagangga ggnangngga agggnggacn gggnncngga 720
gnnggaaggn ggngannnaa ggnnngggan anggggnnnn aaaggggang nannaannnn 780
gnaagaggga ngggaggnna agggnggggа gagaggnngg agggcgaaaa cc 832

<210> 4822
<211> 1036
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1036)
<223> n = A,T,C or G

<400> 4822
anngacngnn naaacnnnnn nancnnnnnn naaannnnng aaanngaagg naacannaan 60
nngnnnnncg aaaaannnga anacaacnnn cannnnnann acaccaggng nanaagnang 120
naaaggaacg cgcncncnan nnncnnncgn ngngannacg aaancggnna ngacgntgaa 180
anntagaatg cacagannna nannancnna ntagnaaaca tcnggnnncn nnannangcg 240
acatntntnn ccgnttggaa acgcttggca atctccgacg canagagaga gagaagagct 300

nncaanancn nagatagnna gnancgnana natanangnn gtcannnnna naggnnngaa 360
acncnncnct ctanntnnca gctnnnggct cacagnggan agncaacgan ggcagaagga 420
acatgagcct gatgaagaga cnggaaangg agcacctgnt cctgnacctn caaagagaac 480
agnccaaaga aatacaccca agcanggang ctcagagatn aatancagag agaggactnc 540
cancctnaag gcangnatna nganaaggca aaanncaaag gtaaaggaca tgagagctga 600
agacttgang angctaatca gacacangga gcactgggca cataggctan nccctaaact 660
gnagntngag ganattatcg ncagagcaga ataccnggga agtaaaaagg aagnncagac 720
ctgnnnaaaa cgaantcgan tagaaccnnc cctanatata catgaagaat nntgntagca 780
natnatgatg aangctgcng gagaanaaan gaaacactga aagtnacnnn antacngaat 840
tnagaacccn nnntggacaa anntatactg anaagngaga atggctngcn nncangagnn 900
anagttgaan ccctaacagn acgagcaacc ancagagaaa nngnnnaana aantnaacaa 960
cntgggcntn ggaaaagaaa gcaaggcaaa gcccgcagga nnaaanaagt nnatgaaccc 1020
tagnngaaaa tggang 1036

<210> 4823
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 4823
tnaatncttg ctctcgcctc tngcaggatc cctcgattcg aattcggcac gaggctacac 60
tgtgggggga agatgctgat aaatttgatg gttctagaca gcccgtgttg gctatcaaag 120
gagcccgagt ctctgatttc ggtggacgga gcctctccgt gctgtcttca agcactatca 180
ttgcnaatcc tgacatccca gaggcctata agcttcgtgg atggtttgac gcagaaggac 240
aagccttaga tggtgtttcc atctctgatc taaagagcgg cggagtcgga gggagtaaca 300
ccaactggaa aaccttgtat gaggtcaaat ccgagaacct gngccaaggc gacaagccgg 360
actactttag ttctgtggcc acagtggtgt atcttcgcaa agagaactgc atgtaccaag 420
cctgcccgac tcatgactgc aataagaaag tgattgatca acngaatgga tngtaccgct 480
tgtgagaagt gcgacaccga atttcccaat tttcaagtac ccgnntgatc ctgtcagnaa 540
atattgcana ttttnaagna gaatcantgg gtgacttgtt ttccaggagt ctgctgaanc 600
tatccttgga ccaaaatgct gcttatcttg nggaattana ngacaagaat gaacngcctt 660
tgnagaagtt ttnccntaat gccaacttgc gaatctttca ttattagaag c 711

<210> 4824
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 4824
ncgncccntn tttaaanccg gcaanctttg gaancctttg gaaagccccg nnncgaannc 60
ggnacgaggc ngggnntttc ctgntacang caaaancngc ttcgagggac cacatttttt 120
cccccgnaac ccgccgccng ggaggggaag annntnaacc tgggcccggc acagggtanc 180
ctgnganann ctgtgaccgg aaaggcgccc nacccggant nagtggctcc aantntcaat 240
gcancccCac acccnnagtt gttttnatcc tgagaaaaaa aagggaggcn gaattattna 300
aanttaaang agganancCc ntcntggaan ggcngcngac ccttcctgca gaaatgggga 360
gcacntgagg acacaggtgg gtggaggccc nntgtgcgnn gctggtcgga ttcnggcagc 420

cctccgtcnc ttnttataaa acnttgggng agaagantat attganaatg tcagtgaaac 480
aagccnacat tggnaatgga ggcncagann acnccacaag gagcccttct gcntataaaa 540
ncnagangca aaaaaccttt ttnaattnnt gtnaatnaaa aggaaagact tgntaggctc 600
anatcnnanc tgggngtggg nnnacggggg agaacactgc naacagggan aaanggnngn 660
gcacacaana aangagtggn cgaaatttgn ccangtggac ccagccgggg aaaaaacnna 720
tanaaaaaaa ctcttcatag ancctttta aaaaaaaaaa aaaaaaaaaa cttcgngccn 780
cagaaaacca annggaggng acctatnccn nnagaanccg 820

<210> 4825
<211> 895
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(895)
<223> n = A,T,C or G

<400> 4825
ggnnnngant gnntttnann ccttgcaaac gnntcgctga gggancgncc gaatncggcn 60
cgcggaggaa ntnanatngt ncatggnata nncngtnntt tgtntgntat acagtgcntg 120
nnngnagngg ggntccgtac tgctagnnan gaacgtgcat tcacagggtt ataaanataa 180
cgatgttagc accaanccnc ttcnaccctn caatagggtg tnagatgcnn nanatggang 240
ntgcctattt aangnntntn nnntgcncna tatnngaatt ncngaggacn acttannncc 300
gaaanntnta cttnccgnac cgnanggcgg aaagngntta tttttgatga ctncgtgggt 360
ccgcncngag agctcctgct ttgcctgcgc ctcccgttct aaactgtnac cctttagttn 420
tngannaccn nncccgnctt gggaacggtc tgacnntcnc tcgaaaanag gaagtggctn 480
aanggcnggc ttcttgacnc gngnatcgga tcctnnggcc cnnccccntt ccgttncaan 540
cttgcttntg caacaagcga tngntnacgc ttttnactga nntcttttat ntcgccattt 600
nggattcccg ngttccntgn aacnaaaang nccnggcgga ngtcaccnat aaaacctgtt 660
ccccttgctt acaanaagca nnganggtgc ccgtcngngc cctggtcttg nanaacangg 720
ntgttgggga ancntaaact nncccacatt tgatggaana cncattttca tnnanccatt 780
nttaaaaacn ggggntgngn gcaacgccaa nncctactcc ncactatcca aagntcccan 840
ntattggcgg ggcattcttc attggaaatt ntggatngaa ngaaaccctt ctcct 895

<210> 4826
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 4826
tttcaaatcg cttggctact cgttctttct gcaggatccc atcgattcga attcggcacg 60
aggcctgtna ttccancatn cncngncacn aatnnaanan ggagncctta ggntcttaat 120
gtgaacaggc agnngattan gctgggcact caggnagaan ntcgcgtgtn tcantnttna 180
ggcatgtttc atgattcaaa ntactctcca nccccttgctc tcaatgcctt gcatgagcct 240
tgnatgattg nattaggact accnanatta ncncnngtna tcnccctttgn tnaaanngaa 300
ntcacnntgt atgtnacann atnctaatac ntcaanaggn acnngtattn tctgacnaaa 360
nagctaggca nctnaanata nccanattat atcnnnatcn ntngncnctt nattantaca 420
tacgnanacc tngtaaggna tntttnncan tggacattgc tacagatcag ntgacgatta 480
ngtancctnc ataantaatn nanngcattg tacnttnacn gatcgttctn ccnctgncat 540
gntncngttc ctnagtgana canagctcnt cgtattctgg ncgnntnncc gntatcngtt 600

nntaatgcan atatcgctat gcaggtntcc catatnnntn tnatnatgca tatagccttt 660
tgaangctcc ccatntnata tgcncatatt ccaccatatg aaatnttncc tnnncgnact 720
ttggncacat gtaagncttg gtnacccaan ntaatcatc 759

<210> 4827
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 4827
gaaancccct ttgttactnn gtnctttttg caggatccct cgattcgaat tcggcacgag 60
ggggattcat aattccagac aggtagagaa cggttttatt tatgtagaga cagagtctcg 120
ctctgtcgcc cagctgaggc ggggagaatc actttgacct gggaggtgga ggttgcgctg 180
agctgagatc attacactgc actccacctg ggcaacagag tgagactatg tctcaaaaaa 240
aaaaaannaa aaaaaaaact cgagcctcta gaactatagt gagtcgtatt acgtagatcc 300
agacatgata agatcattga tgagtttgga caaaccacaa ctagaatgca gtgaaaaaaa 360
tgctttattt gtgaaatttg tgatgctatt gctttatttg taaccattat aagctgcaat 420
aaacaagtta acaacaacaa ttgcattcat tttatgtttc aggttcaggg ggaggtgtgg 480
gaggtttttt aattcgcggc cgcggcgcca atgcattggg cccggaccca gcttttggtc 540
cctttantga gggttaattg cncgcttggc gtaatcatgg catagctggt tcctgtgtga 600
aattgttatc cgtcacaatt ncacacacat acgagccggg acataaagtg taaagcctgg 660
ggtgcctaat gagtgagcta ctcacattaa ttgcgttgcg ctnctggccg ctttccaatc 720
ggnaacctgt cgngccactt gcnttatgaa tcggccacnc ccggggn 767

<210> 4828
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 4828
ttctaatttn aatccttnaa atnggttctt tntgcaggat cccatcgatt cgaattcggc 60
acgagagaac acaggtgtcg tgaaaactac ccctaaaagc caaaatggga aaggaaaaga 120
ctcatatcaa cattgtcgtc attggacacg tagattcggg caagtccacc actactggcc 180
atctgatcta taaatgcggt ggcatcgaca aaagaaccat tgaaaaattt gagaaggagg 240
ctgctgagat gggaaagggc tccttcaagt atgcctgggt cttggataaa ctgaaagctg 300
agcgtgaacg tggtatcacc attgatatct ccttgtggaa atttgagacc agcaagtact 360
atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg attacaggga 420
catctcaggc tgactgtgct gtcctgattg ttgctgctgg tgttggtgaa tttgaagctg 480
gtatctccaa gaatgggcag acccgagagc atgcccttct ggcttacaca ctgggtgtga 540
aacaactaat tgtcggtgtt aacaaaatgg attccactga gccaccctac agccagaaga 600
gatatgagga aattgttaag gaagtcagca cttacattaa gaaaattggc tacaaccccg 660
acacagtanc atttgtgcca atttctggtt tggaatggtg acaacatgct ggagccaat 719

<210> 4829
<211> 887
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(887)
<223> n = A,T,C or G

<400> 4829
nntttaaaac cttnntttta acccttttaa aacctttcaa ctaccgggct ttttgcaaga 60
ncccatcgat ttcgaattcc gcacgaagga aaacatggca cttnttnttg ncatncntaa 120
cgggccctgg ccgctnaccc gtggaaagta caggtcctga caactggggt ncctgatggg 180
cctgggtgac attatctcac aacaacttgg tggagaggcg gggtctgnag gaacaccang 240
agaggcccgg actctgacca tggtgtccct nggctntggc tttgatggcc ctgtggtagg 300
angctggaca anggtttgat cngancatnc ctgncaccac caaantggga tgccctgaag 360
aaaatgttta tggatcangg gggctttgnc cccgtgtttt ctangctgcn ttntnccact 420
nggtatgggg cacttaatgg aatggntaac ncagnacaaa nttgggccca aactacatgc 480
gggattatac tagntgccct tatcacccac tactntntta tggncntgct gtgccagntn 540
nccaactttt annntgntgc ccctttnatt ncaaanntgg ancgnngncc aaantgaanc 600
nttnttttt nttgaacctt cctacctntc cctgggaang gcncaatatn gnttatnaaa 660
nccttgccct cannttcnan tngtnttccc aacctttnt aggggnntac agantttgn 720
nccccatggg aancnaggac aataacaaan ctccttctaa aantgggggg antaaccccc 780
ntttctacna gnagtttggg ttttccccgg tgncaaanan tttantaaag gaatttggca 840
ccccttggaa gggnccccnt tttanttctt aaaaaangtc cacctgc 887

<210> 4830
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(858)
<223> n = A,T,C or G

<400> 4830
ttnctaatnc tngctatcgn agtnntntaa gnncanttct aatacttggc ancncgatnt 60
cgcnnnanca tncnatacag tntncntctg nncgaggcnc ccangtncat ggctnnatnn 120
anggccatcc atatgccagc tgggggccag gcnacantgg ccatattgnc tgnagcnnga 180
atggtgccca cctacncgaa ttgaanggct aagagtccca gatagctagg ccagagctgn 240
aagcatacag taaggggaan agctgctccc acagganagg gatagattcc atctcactgc 300
gcancctggg aggaggcang gatcctgnca cgctaagcct naggcaccan cctccctgtg 360
ctcgacatgc aaagtcatga ctcctncttg ntgagnactg agctaccttn tactgctcca 420
aancnnacta acagctctcc aancccttgg ggtgactcga gatccnanga nctgtngact 480
taantganga tantcagtcc tgttctgccn nggcaggcca nattcctncc tccaanaanc 540
nnnatctttc naaaccctga anntgtancc tntctnattt acccagctan tttaanncca 600
aatnttanaa anntannena ataccnttac tccnaaacca cttttgnctt cnttacctga 660
tannngnngn nctatactca cnntttagcc ntaaanngaa nccttnctnn annagcnnat 720
ttgtcntttn ancttggnaa actttctatn tanaatnacc atccaaannt tnnggnannt 780
cnttaatntt ttanccnanc tacaatnnaa canctntaac ctnantcctg taantcnnac 840
aaaattnntc nntancct 858

<210> 4831
<211> 1786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1786)
<223> n = A,T,C or G

<400> 4831
cgncencenc cnncccccnnc ggnnncngcn nnnacnnncc ncnncgngcn acgncnncnc 60
naccnnnnna ngagcncnng ncgnnannnc ncgccnacna ngggntcgng ncagcngnnn 120
ccangncnnn cnncngnnng cncnggnann gcngnancnn nnannnncna cnnangctac 180
nncagcnanc nnncnngcng anagnncncn nnnagcgcna ncncgcncnc nccngcnanc 240
ccacacnnac gnncanncgg gncnngngna cnggnncccc nancntnnnt cncnttttgg 300
ccaacncngc ctgggcancn acccnnnntc gccncagnaa cgngngnang ggnncgnnac 360
nncnnccgnc cccanngncc cntntncncc ngnagnntcn nnnncananc cncagcanan 420
cnccanancn cgccccnggg ggnnnncgna ccncennnca cccgcgnagn gcncncncan 480
nncgngncgc ctcccncncn cncgnacccc ncnnnnngnc ccncengccn gcccncnnna 540
nnngccnann ccnnncnccc nanacacnnc ngncgagncc cnnnnnncnn cncncccncnn 600
ccccnnngnc agacnactcc nncnncnncc agncncennc nacccgccnn ngnnnnctcc 660
nnncgcangc annncncccng ccennccccc cggnnctggc acacgacncn cncaccgcnn 720
cnncccccnnn nacnacgnng cncncnagcn nncacnnanc anncanngac ncngacacac 780
cngcngaggc aacacgcncn caccnnnaca cnccantnac gcatccggnn catcacgcnc 840
gcnnganccn gacngagaca acncagcnnn nncncnagnn nacacgcngg cnacagactc 900
tcncacgnna cgccannnnc gcacctccnc nnnacaccna ngcacccgng ananccncgc 960
acnngngnng ctcanacgca ncangcgcgn cnangtcncn ngacgcnncg nctcnacncc 1020
gcgngncncc aacgncgcgc cancccngac gncgncacna cngacgncac nnnncacaga 1080
naggacncac tngngcgcan nnccncncgn cgncancncc cgacgcnagt atanacnatg 1140
cnngnncagc acacannnnn cnanaccngc cgngccncac gctctcgngc agncacacgc 1200
ggncgcctag agccnngcat cntagagcac gcgcannnnt ccngccacat ngcacancnn 1260
canacnngcc cncnncnnnc agacccncnn nccanctccn ganaccncga ctcacaccnc 1320
nctnncgcgc aanagnnnca ggnanacgct cngctctnca ctgnganacc gcangacgnc 1380
ccttncnact canacncncn gncacagnca cnctncnccg nacacncnct nncacatccg 1440
ngnnatcncn ncnannnnacg nacannncgc gcaccngcac gcacaccann gnncngacga 1500
ccencncgnt canacctgcg ancngctcat gcgccgtntc tacacnccgn cngtncnacn 1560
cncgaccgnc acagnncnnc gctncgntnn cnncgccncc gcgcgntccc ancnncaggc 1620
nnctacnnnc cagntatccn gngtnnngnn caacgcncag cgntctcnnc acannccega 1680
ngcgnngncn ntncnnnnga gagcacccag ntanncaacc nnacnccaga naactcnacc 1740
nactcgntca cagnctcgct gtcnaccngg atacaccgac cccacc 1786

<210> 4832
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 4832
tttatgncnt agtgaactct ttgggaagca nntcccatcg attcgctcag attaaggggt 60
ttgaaaaaca aaccgaaaaa gatgggcntn attnagcctt acttgattga cgttgactta 120
atcagagggt caacatttgc caaagcaaaa cctgaaattc catggacatc tctgactcgg 180
aaggggcttg ttcgagttgt atttttcca ttgttcagca attggtggat tcaggttacc 240
tctttaagaa tctttgtttg gctgttacta ctttatttca tgcaagttat agcaattgtc 300
ttatatttga tgatgcctat tgtgaacata agtgaagtac ttggaccctt gtgccttatg 360
ctactcatgg gaactgtcca ctgtcaaatt gtgtctactc agataacaag accatcagga 420
aacaatggaa atcgaagaag aagagtttcg ctcttgttgc ccaggctgga gtgcaatggc 480

gcaatctcgg ctcactgcaa cccgatacct cctgagttca agcgattctc ctgcctcagc 540
ctctcaagta gctgggatta cctgcgtatg ccaccacacc cagctaattt ttttttttga 600
atttagtaga gatggggatt tcacccatgt taatcangct gatctagaac tnctggacct 660
caggtgatcc anccggcttg ggcttccaaa aggactggga ttaccagcgt gagccactgn 720
acccaaaccg nctaaacctt ttaaaaaagg attatttgg 759

<210> 4833
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 4833
ccaacgcngg ctacttgttc tttttgcagg atcccatcga ttcgaattcg gcacgaggat 60
tagtactagt tctatctgga aaaagcccgg gttggaagaa gctgtggaga gtgcgtgtgc 120
aatgcgagac tcatttcttg gaagcatccc tggcaaaaat gcagctgagt acaaggttat 180
cactgtgata gaacctggac tgctttttga gataatagag atgctgcagt ctgaagagac 240
ttccagcacc tctcagttga atgaattaat gatggcttct gagtcaactt tactggctca 300
ggaaccacga gagatgactg cagatgtaat cgagcttaaa gggaaattcc tcatcaactt 360
agaaggtggt gatattcgtg aagagtcttc ctataaagta attgtcatgc cgactacgaa 420
agaaaaatgc ccccgttgtt ggaagtatac agcggagtct tcagatacac tgtgtcctcg 480
atgtgcagaa gttgtcagtg gaaaatagta ttaacagctc actcgagcaa gaaccctcct 540
gacagtactg gctagaagtt tggatggatt atttacaata taggaaagan agccangatt 600
taggtaatga gtggatgagt aaatggtgga ggatgggagt caaaatcaga attatnggaa 660
gaagtatttc ctgtaactat ngaaagantt atgtatatat acatgccana aatatatatg 720
tgtgtgtgtn tctgnggatg gatatatgta tatctcttcc tatatatatc cc 772

<210> 4834
<211> 833
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(833)
<223> n = A,T,C or G

<400> 4834
ggnncnnnnn tttttaactc ntgccctttg aannccttgg tacctcncnn ngganggggc 60
cctngttnna attcgctncn acccanngat gggccagngg gngaacttnc ttgagtatgt 120
cgccnttccg gnggncgttn nctnngttct acnnagaacn cttngagggc tgaaaataaa 180
tntggaagat nganacaccc tntgngggtc ctctctgaga caaatccatn tggtgggtaa 240
ttgnacanta aatntttttt gntcaaatnt nnaaaaaaaa aanangcctn tacaactctt 300
gtgagtcntn ttaccnccat ccnnacatga taatgataca tatgatgatg ttggncacaa 360
ccaacatcta gaagtgcgnt tnaaaaaaan gctntntttg cgnaanntnn gatnctnttg 420
nttnnttnga nnccnttgng cctgnataaa caagttaaca acgacanttc tttcattagg 480
ggagtcngna tnatggtggg ggccangnan gngttcntga atctngcntc gtctcctnca 540
ggncatntnc acnacacccg aantttgggc atnttnnttt gncntntgaa cggnnnctng 600
gngttnatca aggatatnnn ntttcctgtg tgcaaaattt gtcccctcnc naattccacn 660
ctngcatgcc atcccggnat cattnaaggg taaaantcct ggggggnngc cnnatgcagt 720
nngcncaacc tcncatttgn atngctggtt ggancataan tggccctgct attttanttg 780
cgnggnanaa catnncntgg ggcctntngt gncatntaan atanattggg gcg 833

<210> 4835
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 4835
tttattccat cagctcttgt cttttgcnga tccctcgatt cgaattcggc acgagattct 60
ccctaaatag taaatcccac tgtatacaaa actgttctct tgttctgcct tttaaaatgt 120
tcatgtagaa aattaatgaa ctatagggaa tagctctagg gagaacaaat gtgctttctg 180
taaaaaggca gaccagggga tgtaatgttt ttaatgtttc agaagcctaa ctttttacac 240
agtggttaca tttcacattt cactaatgtt gatatttggc tgatggttga gcagtttctg 300
aaatacacat ttagtgtatg gaaatacaag acagctaaag ggctgtttgg ttagcatctc 360
atcttgcatt ctgatcaatt ggcaagaaag ggagatttca aaattatatt tcttgatggn 420
atcttttcaa ttaatgtatc tgtaaaaagt ttctttgtaa atactatgtg ttctggtgtg 480
tcttaaaatt ncaaacaaaa tgatccctgc atttcctgaa gatgtttaaa cgtgagaagt 540
ctggtaggca aagcagtctg agaaagaaat aggaaatgcn gaaatagggt ttgtctgggt 600
gcatataatc tttgctcttt ttaagctctg tgactctgaa atatattttt gggttcttca 660
gtgtgtttgg acaagacact tgatatttct atcaaacaaa tgactttcat attgcaccaa 720
tctttgtaag accactcaaa taaaagcttt taaaangcaa aaaaaaaaaa aaa 773

<210> 4836
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(855)
<223> n = A,T,C or G

<400> 4836
gccnnttgan nccatcanct cttgttcttt ttgcaggatc ccatcgattc gaattcggca 60
cgaggggcnc aaannatntc ntgatgacaa ananctctgt atancaggtc antcncagtg 120
ttnanagtct cagttgcttg cttggggaac tngngtccct aatgngaata gnntgctnga 180
ttgctcnggc nctgntactg tgacagtgtt tttagacctg tgttnctaaa aaaaanatna 240
atgcnctgaa aagggtgttg ggagggtggt tcancataga aacanagatg ttanggtgtt 300
tagatttang gttggnaaca aggtcatctt tagtcaccnc actgggnagg cagcatttgc 360
tacattggcn nactaactnc cnttgctann nnntttcang antncaanna cntgtgnatc 420
ntagtatnnn agnntgaaat nantttccac cannagcggg cattgtttct atcacagcat 480
aggctatgtn aagcnaactc tannatgata aatgacaccc nntnttatct attngcatcg 540
acccccgtct ctacaagaaa gtnaccaaaa attttncccg ggcatgntgg tnggggcacc 600
ctgtnggtcc ccagctattt caaaaaaggc ttganggngg ggaggaatca cttggacccc 660
cggggggggg tggagggttg canttgannc caaatcnacg cccactgcan ttcccgnctt 720
ggggtggaca caagngagac ccccatttta taaaaaaana atnaanacct cctttggnaa 780
cnngggggna aantctnttc tttttnanga anttttcntg ntnggacttt ggggttcctc 840
tatgactttc atntc 855

<210> 4837
<211> 932
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(932)
<223> n = A,T,C or G

<400> 4837
nnnnnngann nnanagannn nnnnnnngan nanntcctnt tnnnntagga nttgnaaatn 60
cctcgttcta aatnctggt aaacncctng ctnnanggtn cgngccactn tgtccggnnc 120
gagggtgggc ncacacncta atntcnctgg gtccatggta ntnccnatta ngcatgctgt 180
gttnntgcan atgatgtant acganatcca cggtgttngg ttaatgattt attcactcat 240
tagtcattcc acaaactagt ctngagcacc ngttatgnac ccancactgt gctggaatgc 300
tgaggagaca ggagtgaagt aaaaagacat ggntccngca ggaaacaggc aaggagagcc 360
ttgacttgac ggantctggc aatancgcca ggctggaatg caatggcgcg atctctcctc 420
actggancct acgnctncng ggntnaagca antctactgc ctcagnanct ggagtanctn 480
ggnactacag gcnngcgcta ccacncgcnn atgagaaaac ttnnngccac agagaggtga 540
aataagtgag atgcttncta acctaatgcg anaaccncgt gaaaagattt ttggcaacct 600
gaaaaatccc atnctnnnnt gaggattnta tngncaaccn gnaatcaant cttaggnaan 660
atgaatgccn nttcgggant aaattcnatt tttnntnatc tcccannaag gaaggaaaac 720
ntnnnaagcc tctangaatn atnnngnctt nctaacccng ngtantcaaa actnttnncn 780
aatctattgg naaacccgat ctagannttt ttnaatnacc ntnaaaatct nnaaaagaaa 840
gnncaatnag tatnttattc actcgaaaag tctccaaanc ncnntaaaag aactcnantg 900
gaccaaacta cncnttggng gaannttaan cc 932

<210> 4838
<211> 1358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1358)
<223> n = A,T,C or G

<400> 4838
ttgnnggaac cccnnntttt tttnttaaaa aaaanccccc cantttcccn aangggccct 60
taacctccng gttnttgtan tntnttttta ctgatnngaa angagcanaa cncncagatn 120
gntnantgta aantttncta tcncnccncn aangtanctt nctttgtatc caaccnnggt 180
ntagtcgtct cnnncntaga ncttaantat ataannnata aacacctacc gtgntatann 240
tntgtacann tannnncngc gcgnngngca ncnnangtca tatanaccnt gcgccanatn 300
cttctacana ctacanccnt atnanggntt nnataaagtt cttaataacg catcatnntg 360
ttcaacaact ggggtagcta tantgaacan tctnancacn naannatngn ttcncaaaag 420
ganaancatc tcnntatang antaccctnn ntttgnncaa tnatatnaaa tncnntganc 480
nancncncgt ntgnntnnaa gnnntgaatc tngncaatat gttggnnnnn gcntnntnnn 540
tttnanattn anaaaccttg ncntnatnat ncatgtggta tgtnaanacg tncnttaaaa 600
taggnnnaag acgnnccnat tgccnnacnt tatanaatnt cntnnnncca tnntgctcga 660
ttntgattac aaatattgnt gcngannggn anaatnacct cnatcttgat nccttnnaat 720
annnannnaa anaattnnnt nctttctnnn tcacacnaca ttccnacgta ccntnatnat 780
ctttgtnnna cgtcattgta cnaacaactt aatgtagctt tgnnanacnn aacaatntcc 840
tctctttgnn nnnanggnat gcacncattt ccnnttgnta ntaacctann tcngnnaata 900
ttgtaatagn cncttaacgc ntcnaantct cgggtaatcn nancaaaggt ttgtcacnaa 960
ttctnnnccg ttncnangcn taactntntn cntaanacat ngattgntta actcgaangn 1020
atatgancgc gancgcatgn ncncanancg tcacttcttg ggatacccnc gctctacttt 1080
anactcttta angncanang gttacganac tgcactngna ctgtangctt ngtttactct 1140
nccnccgnna anactcntcn atangatgnt tangcnccna cgcnannntn ncgnantcta 1200
tncgagcana ntnaacnnnc tccanatnaa naaaatngtn nntgtngnac anataannga 1260
cntatccttc tgtatattct cgacgcgaan anatggtacg tgagngnttt acntaangta 1320

ncanatntgn ggttnacact nnnntatncg agcctccg 1358

<210> 4839
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(716)
<223> n = A,T,C or G

<400> 4839
gnnntttnan atcagctact tgttcttttt gcaggatccc atcgattcgc tgaaatgtca 60
aacacggcca cctaggcagc atttacaanc aagagtccac tgcttnnttg atgtatatct 120
taagcgcccc cagtgaatga acagcatata actccacata aaaatcatta aatgtnattg 180
acttccagag caggcagttc tgtgtgtatg cctctggaga aggctggctg aattgnaatt 240
ggtctgtacc tnctgcctat catgtacatg angtnnttgg gcaaagagaa ctttccanaa 300
nataagtcca naaattatag atcatcanac naccaatgac atattgntga gatatctnca 360
agatctagaa tngncctggg tgtcaaggaa gtctntgggg tttttacaaa tattgataat 420
gcnctttttа taaaatgcac tttttataaa aatgcatgct cacttgagac aacttgaaaa 480
acacactaga aaaggccggg cgtagtggct cacgcntgta atcccagcac tctgggaggc 540
cgngacggnt ggatcacgat gcangagatt gagaccatcc tggctnacat ggtgaaaccc 600
cgtntctact aaaaatncac naaaattagc anggtgttgg tgacgnggcg cctatagtcc 660
catctactna agaagcttga tgcangaaaa atggtgtgaa cccaggaaac gagctt 716

<210> 4840
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 4840
angcagctct tgttctnctt tcaggaccct atcgattcga attcggcacg agccaagctg 60
taccagagtg cangaggcat gccaggagga atgcctgggg gatttcctgg tggtggagct 120
cctccctctg gtggngcttc ctcagggccc accattgaag aggttgatta anccaaccaa 180
gtgtngatgt ancattgntc cacacattta aaacatttga aggacctaaa ttcgtagcaa 240
attctgnggc agttntaaaa agttaagctg ctatagtaag ttactgggca ttctcaatac 300
tngaatatgg aacatatgca caggggaagg aaataacatt gcactttata aacactgtat 360
tgtaagtgga aaatgcaatg tcttaaatna aactatttaa aattggcacc ataaaaaaaa 420
ataaaagaaa actcnngcct ctagaactat agtgagtcgt attacgtaga tccanacatg 480
ataagataca ttgatgagtt tggacaaacc acanctagaa tgcnnngaaa aaaatgcttt 540
atttgtgaaa tttgagatgc tattgcttta tttgtgccat tatgagctgc aataaacaag 600
tnaacaacac aggttgcatt catttnatgt ttcaaggttc aaggggnagg tgtggggagg 660
ctacttaatt tcattgacgc ngggnccttg cnttnngggc nnngacccca gntttttgtn 720
cctttngngg agggttaant ncnaacttng ggttaann 758

<210> 4841
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 4841
agnnnantnc tatgatccct tgnnncagga tccatcgatt cgaattcggc acgagtgcct 60
ttgntcccca actctaggga gctagtttca tacatttaan ancnctgctt acctcanagc 120
tccctttnag cancngcaga cttnnanatc tgtttaacca gttccctata ttaaattctc 180
tctggnnaaa tacatggnng ggctttgatt anctgctgaa ccctnagnga tncataccnn 240
atnatgctnc nnaannnatg cnatanncnt acaannatnt gtantnnagg atncctatnn 300
cnanactgct ngtnntanca ncatcancat gacannnacc tttaaangtn ttcnatntan 360
ctanaattat ctaaaatgtt aaangncnta aaacannnna ntaagcaaaa gatganntca 420
agtgtatgtn catttagtag tgacttgtga gatttgacgt gttcatgaca gctggctatt 480
tgtattgtct gaatgatagt gtatttgngt actttgccca ttgcctattg gggcattnta 540
aaatngatcc ttaggtaatg ttaattaaga acattgacct ngggcanggc gcggtngctc 600
acncctgtag nncnaacacn ttncgagggc gangcagnaa attcnanana angagtttga 660
tacatctggg caacatngcg aaacctgnct ntctanaatn tananttagc cggcanggng 720
gagctgcnga ntccagtag 739

<210> 4842
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 4842
ttatnnntac cgctttgcna ctncncgcag gatccctcga ttcgaattcg gcacgagggt 60
gattcagatg atggcgaaga tggtcgaggt tntgagaacg ganaaatnaa ggcncttcgg 120
acagctnctc tggcaatgta tctgaagggg aaagccctnc tgacagccat ggaggactct 180
ttccagggaa gacagnnatc aaangacaaa gctgccactc cangaaaaga tggtcccaaa 240
cgttctgtac tgtccaagtc agttcctggg tacaagccaa aggtcattcc aaatgctata 300
tgtggaattt gnctgaatgg tnaggagtcc aacatgaaag gaaaggctgn atcactnata 360
cactgctccc aatgtgagaa tantggccat ccttcttgcc tggatatgac aatggagctn 420
gnttctatga ttaagaccta cccatggcan ngcatggaat gtaaaacatg catnatatgt 480
ggacaacccc accatgaana agaaatgatg ttctgngata tgtgngacag angttatcat 540
acttttgag tgggccttgg tgctattcca tnacgtcgct gnatttgtga ctggtgtcaa 600
cngncccncc caacacccag taaantgtgg caaaaagggg aaaaatnagc aaagagggat 660
naaancgttt ttgactctaa tctgtatatg catttaagtg gaatatttgg tgccattttc 720
aacattantt tcatgcccat aaaagaatnt 750

<210> 4843
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

<400> 4843

tnnctttgat tcaattcata gcnactggtt ctttttgcag gatcccatcg attcgcccag 60
ggccgcctgc ctgagcctct ctgcagctgc tcacctcctg ctgaggcctc tgccttcaga 120
gctagtgggg cctgctcaca cattccagta gtttcctctt tatttgtcct gaaccaagtt 180
gtagaattta aaggaggtga agtaaggcga tttctatgga aaatatattt ttcttcttta 240
ctcctcatgc tgagtgcata agaatttatt atttcccctg aatgttcaaa gtggtgtgtg 300
tgtgtgtgta aaagaaccag gagcaaacaa tcttaatagg aatgtgcgat cttgtgttta 360
tctttagcac acttaattag ctacaacccg ggactgttgc catttgaaca agttgttaag 420
aaaatctgcc atgttttgct ctttttcaaa aggaatgact ttaataacca tagcaacact 480
tactcagttt tgtgatccac tccaagatta tgggagcaag aacagatnct cctgaaagca 540
accctcacct tcttccccgc ccctgccctc agcaagtcct ggcctgtgtg aactgaaggg 600
tttggaagct ctggtttcta ngagtgccca naactagaaa gactagggtg tctaattatt 660
tgaggggcan ttgtcaatgg cantgtgggg ggcaccccat tgttatttcg aggcactgca 720
ttgctttttt 730

<210> 4844
<211> 818
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(818)
<223> n = A,T,C or G

<400> 4844
tntcctncgc gngncgnatt ccnctaagga gaggcncgga tccctcgatt cgaattcggc 60
acgagtctcg atctcccgac ctcgtttccg cntgcctcgg cctcccnnnn ngcngnnatt 120
acaggcgnga gccaccgagc tngncctgga tcaaatctta atccatgcgc atgggnacac 180
aagantactg ggttgaannn attctagntt tgtnatttaa atacntgnng atgaatctat 240
tttagcacan ggtataaata actcgggagg tcatctctat cttctctcct tnantgcatt 300
tgggtatacc acgtttaagn nctaaaacag ctnngcntat gttggccagg ggaaaacatg 360
gcatnctgtg cgcaaagntn aatgatcgcn gnccnnnctt ggcccctccc tgggtttatg 420
gncancgtaa gangcccgca tgttaaagct taaaccgtca nttgggctng gtgtaaatcc 480
ccnattnaat tcntggnngg ncaannctct tgaccccgna aacaatggaa agggccanct 540
ggggcctcna anntgtngga gccccnntta acaaacnntt antngnaaac ctttggaatt 600
ccaaccttna aagggagggg naccatggaa gatanttgag tggcccgntn ggaattgnan 660
ccccttnaan gcaattagtt tcnccnaatt ttcctggttn anaaaanatg cnccnaanac 720
cnggggggcc caannctggg ctaaagccgg nggggctcnc anaaccnggg tttttaactn 780
tngatacant anggngaaan aangggcccc tttttaan 818

<210> 4845
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 4845
agcttcattn nactatcagn tgcgctgctn tangtgcngg atccnttcga atccngcncg 60
aggcgngang gcangganng cagngcncan gnccnnttaa gcnnttttct gtcttatcac 120
ncagngaatn aanntgaact ggatcngaac natcccatat tanccgatcc tttnctcnna 180
tgaaagaaaa nacntannna gaacanatan gctnaaactg atacagnaag tngccgtcag 240
cctctagaac tatagtgagn ngaatgncnt acanccanac ntgatnanan acattgatga 300

gtttngncaa accacatctn gantgcantg aaaaaaatgc nctattcgng aaancantga 360
tgctattgct ttanttngga accattataa gctgnnataa acaagctaac aacaacnatt 420
gcattcatnn natgctncag gancacgnng aggtgnagga ggnagtgtaa ttcgnggccn 480
cggagccaat gcattgggcc cagacccacn tntgaccctn tagtgagggt taatggcgcn 540
cttngcgtaa tcatggtcat agctgcttcc ngcgtnnant tgatanccgg tgcaatntca 600
ncacatacga ccgggacata aagtgaaagc ctggagnanc ctaangaagt gaccaactca 660
cattnatngc ctgngntaac tgncccnttc cagtngggaa accnnnncgc canatgctta 720
angaatcngn cacccgccgg ganaggcg 748

<210> 4846
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 4846
gnnttnaaan nttgcttggn nnnnncnctt tccgcaggat ccnanncgat tcgaattcgg 60
cacgaggtnc agctcnccta nctggnatnt gggnngtnng aaacatncnc tntcctgata 120
ccantgtgcn ngaatcanga nacatangcc attacacngc gtctatgcaa gcttgcacat 180
aacntcangt actgcagctc acacaccctn tgcnaggcng aatnantngn tctgcctccg 240
gatacnaana atntcggctc ngcctcagng ctaatgatcn tnatgtngtg tnctnnagta 300
nntgctgtat ctgngtgtta tntntgccaa actctagnta ntgatcttat gatcccttnt 360
ngaantaana tggggttctt gantgnctga gaacgacttg cacaatgngt tnattgtggc 420
acgtcatctn ncaatganta nnnagnctat tnnccanggn anactcngnt cntacntggc 480
nctaagcact ntnttgncga tngncancnc tctgtgaaat ggaattacng ntattcatgg 540
ntaattacnn attttggccc nctttctgtt tntacaatga aggcttaaan ctaantgtcc 600
aaantgnata atgntccctt aattanaagn ctacttcatt caagtganaa nngnccgtaa 660
tnaanncnta ctctncnact gcataatatn nncctnagga ctnn 704

<210> 4847
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 4847
agntntttcn atttctnatn ttgttctttc tgcaggatcc catcgattcg aattcggcac 60
gagagcagct taagcagcag acgcaaaatc gaatgaagct aatggccgac aactacgagg 120
atgaccactt caaatcctcc cattccaatc aaacaaatca caagccctcc ccagaccaga 180
tcatccagcc cctcttagaa cttgaccaaa atagaagtaa attaaagttg tacattggac 240
acctgacaac cctctgccat gaccgagacc ccctgatcct ccgtggactc actccaccag 300
cttcctataa cttggacgat gaccaggcgg cttgggagaa tgagctgcag aagatgaccc 360
gggggcagct tcaggatgag ttagagaaag gtgaacggga caatgcagaa ctgcaggagt 420
ttgccaacgc cattcttcag cagatagcag accattgtcc cgacatccta gagcaagtgg 480
tcaacgccct ggaagagtcc tcttgaccct gctttatggg gaagcctgag gtagtcaacc 540
caggagccaa gaaaagagaa ctacgaggaa caggtgcccg gaaccttctt ggcaccaaac 600
actacaaact tcatcccaac ttgctcactt gaagaagtgt gattncagca cccgtttcta 660
catctgccat cttactctgc ctttctgctt tggatgtggn ctctacacta accttnttga 720

tgtccanggt agatnaangg tcgaatcttt ntgnaaaa 758

<210> 4848
<211> 1030
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1030)
<223> n = A,T,C or G

<400> 4848
gcgtcncact ttgaancntc naanngnggg caatcnaatc gcncnangnn nctaggtann 60
cgaattcggc acnagagcag gcgcttggnc cctaaggtgg atgttagagt agtgattatg 120
gtcagcgtgg gtgctatncn ngtgttncag nttttcanct ggnggaatag ctacaataag 180
gnaatcagct acctagccac agngcccaag tnccgtntcc aagctacnga gattgccaag 240
cancanggac tgntcaaaaa agccaaataa aaaggcnaaa acaaaaagtc caangangat 300
atccgngacn aggangagaa catcntaaag aacattataa aaagcaanat antatttana 360
gggtgnctan tcagnaacnc caaatantgn gnatcntcct ctgtatnana tcaatcctag 420
ctccntntnn cctatnctca tatccnannc tggcatangt cnggagagat ctacnnttte 480
aacatcaanc ggntnnnnat tatggnanag nantnacaga tcantccatt ctacnntaaa 540
tctatnaccn ngtnnactnc tctattnnaa tnnnactatg aanatnctct naactaaanc 600
nttttcnttta nncnaaaanc ctcntgnnct ncatggnnnn aattnnttac ngtccttncc 660
aaaccnncna nacacncacn gancntaatc ttcacaanta nnaacantct gngctnanct 720
cgaacncccc tnaattggct naccannatc ntccactggn atcatncggt antggantta 780
aanngcaact cggntctctg nggnctnctg nattncaann atcnnnntgc gnntatttnt 840
cttgcacaca atatannctc ncgnaatttn ncntannctt nnnnctctca aatactctct 900
ctanacatag agcaattann tntctgatna tactntngac cncgtcantc acnacgngca 960
caanannata tcattgtaca ttcatntatc tgtngacttt acnacagtcc cngccaatnt 1020
aacaaacnnt 1030

<210> 4849
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4849
cnttncctna ncaggtatgg ccattnccnt ttntgcagga tcccatcgat tcgcctgtcc 60
gagagagccc cgctcacggg gcacagctgc tacttttag gccntgctgc acttccggac 120
ccactgcttc aactggcact cccccacgta cgagtatgcg ttgagacatt tgtacgtgct 180
ggtcaacctt tgtgagaagc cgtatccact tcacaggata aaattgtcca tggaccacgt 240
gtgccttggt cactactgaa gagctgcctc ctggaagctt ttccaagtgt gagcgcccca 300
ccgactgtgt gctgatcaga gactggagag gtggagtgag aagtctccgc tgctcgggcc 360
ctcctgggga gcccccgctc cagggctcgc tccaggacct tcttcacaag atgacttgct 420
cgctgttacc tgcttcccca gtcttttctg aaaaactaca aattagggtg ggaaaagctc 480
tgtattgaga agggtcatat ttgctttcta ggangtttgt nggtttgcct gcagttttga 540
ggagcaggaa gctcatgggg gcttntgtac ccccttaaa aggagtcnnt attctganaa 600
ntngaanctg aaaccttttnt aaatcttcan aaangatttt attngaanaa ggnccnnanc 660
nccnaaangg aaaacnnnnn tnnaaaannt natnantttt tgaaagnnnt ngnnttnnaa 720
actannnnng nnnncnnaan ccaancnnnn nnnnaanacc n 761

<210> 4850
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(863)
<223> n = A,T,C or G

<400> 4850
ttnacatcaa gctcttgntn ctanccccct cctcgattcg aattcggcac gaggagagag 60
agagagagag agagagagag agagagagag agagagagag attnagagag agagagagag 120
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 180
agagagagag agagagagag agagagagag agctnaaggg aaggctgccg 240
ggaaggcaaa tggaacagga atggacctgt ctcangaagg ccagctgcan gtcctccaca 300
aaatcaaaga agggaagaaa ctctgagttt gaggtacagg ggcttcnggg tgcacacgtc 360
cctccagggc ccatggtcag tattgcacct gtgttatgaa cccccatatc tgtgcagggc 420
aggggcgggg gctgctgttt tattggggag gggagcctcc taaaaatggg gtccaggcag 480
acccctccag acctcacact gncgaggagg cctttcccaa aggggcgttc tccccgggat 540
gcanaccgna tgttttgtgg gaaaccnccc tttaaatacc ccacaccgac gtattccttg 600
ttcccgactt tttcccgggt tntttgtttt gaaaaatacc tgtnngtttc angcctcntt 660
ggatcttaaa atgggcaana atagggaacc ttttttttg tcaccaaaaa aaatacctgg 720
ggggggaaaa attgtttgtn aaaaaaataa gacnttttg ggaccaccac caacnttttt 780
tgggggggctt tccaccttga ancttccaa nttttttta aaccatgggg anttttattn 840
aaccnttaaa tggtttttct tgg 863

<210> 4851
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4851
cgcgggcgna agcgnagcnc ttcccaacnn ccttggatcc natcgncccg aattcggcac 60
gagtatgggc ttgnagaaat gctaccgttt ttttncccgt tnanacntgg atcccgaaac 120
tgnactaacg tnnagtatca ggcnnaatgn cnggaaaggg nnggcttatg naggcaacta 180
cagatagttg taagggatca tacagaagat attgatgata gnngaaatat tcttagaagg 240
ggtgtgtatg tctagctgng tctaccatgt gtatgtattc ttgacaagca gtataaaata 300
cctgtgantt ttctttacat tagggataat gcataaggaa ttaatcttca tatatattat 360
catccctaat gtagcagggg gaagtattta attgcccatg atatgtattt tacttatact 420
atgccagaga ggaaacnata aagnaattac acatgtaatc ntgggttntt cacatatgta 480
ggtatncatt tngagtaggt tgaagaaaga aaaaaaatat ttaaatgaan tgaattcctg 540
atgggatagt ancaataagt atttaaaagc cngtattcna aaaataataa agggtacggn 600
catttttgag cttgnnnttc ntttgctacn ggaaatantc caaannaaag ngntancant 660
ggcaccngct ggnctcaacg cacntattgg naaccgcact gganaggatg aacaaggggt 720
nagncaatag caaaccccta taacattccn ggccaaanac c 761

<210> 4852
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 4852
ttgaaccttt ntacanctct tgtttttttt gcaggatccc atcgattcga attcggcacg 60
agaccaagta gaccagaaac tgaccattct cagtcctact tcagaaaaca acaagaagct 120
tttcaatgat ctgtttaaaa ataatgcaaa ccgtgctgaa aatacagaga gaaagcaaaa 180
tcagaattat tttatggagg tgatgactgt agaaggagtc tatgattacc tgatgtatgt 240
aggacgggta gttttccagg ttcctgactg gcttcatcat ctcttaatgg gaactcgaat 300
cctctttaaa aacaccctgg aaatgtatac tgattactat cttcagtgta aactagaaca 360
gctatttcag gagcaccgtt tggtctcact cataacactt ctcagagatg ctatattctg 420
tgaaaacact gaacctcgct ctctccaaga taagcaaaaa ggagcaaaac agacttttga 480
agaaatgatg aattacattc cagatctgtt agtcaagtgt attggtgaag aaaccaagta 540
tgaaagcatc agacttctgt ttgatggctt acagcaacca gtactcaaca agcagctgac 600
ttatgtttta ttggacattg tgatacagga actgtttnca gagctcaata aggtcaaaaa 660
ggaagttacc tctgtgacat cttgggatgt aaacactttg ggatttggta tagaataacc 720
cattgaaatt tctgctgtgc cgaaggtggt agaaatttac ttttttgggt atatcttat 779

<210> 4853
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

<400> 4853
tttccagttt tanttttttc anctttnga tcnntttgca ggatccntct tttcgaattc 60
ggcacgagat tctccctaaa ttgtngatcc cactgtttac naaactgttc tnttgtgctg 120
gcntgctnan tgctntgtag nnccttttctg nacnntaggc attgctcttg gagaacnnga 180
tgtgctttnt ntnaaanggc anaccagngn tgnnctgnnt ttaatgatgc agancctnac 240
tttatccaca cctggcccgt ttnacatttn agtaangnac gatatttggc tgatggctga 300
acantttctg aaatacacnt ttagtgtatg gaantacaag accnntaaag gnctgccagg 360
ttancatctc atctngcatt cnnntccttt ggcnanaaag gganatntca gaattatatt 420
tcttgatggg gtcttttcaa tcantgtatc tgtcgaaann tcttaganaa anctatgtgn 480
tcncggtgtt gtctaaaaan atnctttcaa anatgacccc tggaattncc tgananangc 540
ttaaacgtga gaagacnggt nggcaaaaca ccctncnaag gttnttggna angcccnant 600
ntgttttgtc tggcccatat aancttngcn ccattnaagc cncgggngag ctttgnatnt 660
atattngngg ngttactttc tttgnncctt tgcggggaac ancttnnata atgcttntcn 720
ncccnanntg gacntttgct ttttgnnncc nnaccccccc aaagggngcn cacctccant 780
gaaaaagtct ttttnnaaaa gggctccttn ctnaaaaaaa nnnnt 825

<210> 4854
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1090)
<223> n = A,T,C or G

<400> 4854
gaaaggaagc acgcaaagca actcccagca gcatcccagc naaangccca gaggaaggna 60
cnnngcagna cnacccncnc gngcaccgcn ttnttttccc cagtaggngn ngacacgcca 120
acnnnnnggg nccncgngga caagaggcng ancccaaaac nngacagggc aaggacccnn 180
cagacncggg ganggngacc agagcgcggc cnagcgagaa acagccngcn accgnnaggc 240
canaaancan gccgctgaag gganccgggc tccggccnta aacnccanca ctgacacgac 300
ccagcaaacc ccncaagagg aaaaagaccc ccaagggnna aacacaagcn nagggcangn 360
ncacggggga cccccgaccg ncnancncgg ggaagccngc cgnangaacg gganangnca 420
cnangggngc ataagaccna ccacncaggg ccnaccangg agaaaaaaan ancgnacnan 480
aaaggncaaa ccgcaacncc ggaaggggca cccacnaagg gggaaccccc naangggctc 540
gnaccgggcg ccantngcca aagnnggncn cccncaaacg acccgggggg ncnaaacccc 600
cccgggggcc anccacncan gggggggganc cccaanggan ggcaaagccc ccaaagcccc 660
nccgggggca acccaaaaan ccnnggagcc cngngnccca naganacngg aaacccgggg 720
gacgncccca anacncagac naaaaaagcg ngggancccc caaaaaaagc aaanngcaca 780
cnccccccgag ngnaccnang ncaanggggg naaagacaaa anagaccccn nnganaagan 840
ccccnnaaag gccccacggg ggaaacnngg gacncncagg ggnccccccc nggggaccnc 900
ggggngngcc nanaacccnc aaaaaacggg ggaaaacncc ccccccccana aaaggcccac 960
nggacnnana ancccccccnc ccngggaggn nncccnaccn cccnngnncc cnangaaaaa 1020
cnanannggg gnaaaaaccc cnngggngnc caaaaaaagg gggaaacccn ccgaggggggg 1080
ngannccccgc 1090

<210> 4855
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 4855
gctaanngcn ggctactngt tctttttgca ggatcccatc gattcgaatt cggcacgagg 60
gntggggnnt cgncggncnc gctangnnng ccatacncaa tntnnagagt ctanngnntg 120
taannttgct gcttatatgt acctgtgctt atattcganc ctngnnncnc atncttctgg 180
acngaagtaa gactggattg ttgggtatat taggggnann gtgccagaga tcngtgaacg 240
gcanagncct tatgtggccn antgcngtgt aatantggcc ttaagnatcc tnttcanaca 300
nnagctgnnn aaaatgccnn antgtagcan ncatnntatn agnttgnnaa canngactgn 360
cngcccanaa taanggctgg gatgttgaac tctggantct ncgaacattg ngtgaganan 420
attgncngan gctgtantct nttttaatgt gatnggncca atgnnctgta taaaccntta 480
ngatgtaccc nttnnatatt cngtaccnnt natcctcagt antgtcacta cagtatcaca 540
tantgcatat gttatcctgt tgtancagat actgaactta gtgaggtntc nctaaggcac 600
ntagananaa ancaannttg gttanntnct nncgtatctn tcactgtgan ttgcanatga 660
tntantcttt atanaatgng ancctttac cggnctaant tttnaattaa aatggctnat 720
tntgtgttga taaaaaaaac tcgagcatac ttnnaccctc tngaactata nttgagtcn 779

<210> 4856
<211> 1776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1776)
<223> n = A,T,C or G

<400> 4856

ggnggagggn nnggnttttn naggngngnt ttannngtgg ggaaaaaacc ccttttttnt 60
taaaaannnn actttggggn gaaangnngc tgnanatant cggcctnnng nganana gng 120
agtcgngngg ganagnnggn tgnnnnnngn agngatatag gntanganta gtananggat 180
ananngagca gngaacngta gttttttttn agngaganan nngagnnaan aggnanacna 240
tnanaganng gggggggggcg caanggggtg nnaaggcgag anncnaactc gnannanaan 300
tgaaannnnn anacngtgnn ananantgag cgnngatnna tnnntgcaan ncataagaan 360
tngnaatgna nnntgnnngn acaaannnct ncganagnnn gcaagngaat ncgnancnna 420
cnnnagngna gaagnagtan nangaccnnn aanggantnc ngagaggnnn nanaaggatg 480
nnnannnnann gnaganngnn gaananaaga ggagacnaac tatannagnt agnntgncna 540
nngnaganna nanaagcnga naganannnn tgngagnann canangnggn anntaaagnn 600
nnannacgta tangagntgt gtnagaactg aaganaanna ncacgnaaat gaanaacatn 660
cnnngancna nncgaangaa aatatcacgc tgannngnaga tagatanacg ctcnntatng 720
anncagtnac tgtganatct gcganangac ancacngnna gntnnacnac acagatgnan 780
gctnananan gnagcagagt anaagacnng gagnngngtn cgcanatatc gatatnaagn 840
ntacganagt gannananga anantgantn aggataacga nnagnnngnt ntatnngggn 900
tanaggngag agntanantg ctgcncncna nannanngaa tncagcgcnn gncgancang 960
nnanaatngg gnannganan anantgtann nanagcaang ntannagtga ctntnnngta 1020
atngatngag nnagnngana tgagtgctct gncnntagcg aganantacn gngaatntnt 1080
anagagntgt agagnagcag cananannan tntcngngtn naangtagag agcganggan 1140
actnnntagt atanncagan acgangangn ggtgtgnann cggagtgtag agncgattag 1200
agagnaaacn nngncacggt gtatnanaga tngagacang angagaactg cnnacaagna 1260
nntannnaat angtacnnaa tgngancata agtatnacac aggtnactnt atanngnnca 1320
tcaacgcncg antntanaaa cnntagnttn acnannaaag ctacgttctn nncnagaaga 1380
agnactnnan ganntngagc ngcacganaa gtatcgtngg aacgagcant cgtnnatgag 1440
anagtanaca ngcaaanagg aagnnnagna acagtcacan gncagangaa acatnctcac 1500
nngnnantta ncgnnganac gtaaatgtag acacgnagga gatnaannng atatgangga 1560
nannnaaaga gtanatgcgt antngnatna gananganan aagtnaagag antgacnana 1620
tanatgatnt anganagacg ganganataa tctggaagcg nggaanagan tagagatagn 1680
ngaganggat cnngtanaca gntcnnngnc nnctanatga ganngnncaa ctgtntatac 1740
gatntannna ggnagatcaa gaatatacnn tctcct 1776

<210> 4857
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 4857

gttaatctct agcnaggctc ttgntntttc tgcaggatcc catcgattcg aattcggcnc 60
gaggttaana gaatnaaaaa gaatgattga agccttcgag acatatggga tactataaag 120
ccaccacata tttgaatcat ttgggtccca gaagacagag aacaaaagga ttggaaaact 180
catctatttt tttgttatta aataatagat gaaaacttcc caaatctatc aaatgattta 240
gatatccaga aacaggaggc tccaagatcc gcaaacatat acaatgcaag aaagtcttct 300
ccttggcaca ttatagtcaa actatctaaa gtcaaagaca gaattctgaa aaaggcaaga 360
gaaaagtgcc tagtcagttg taaagaaaac cttatcaggc taatagtgaa tttctcagca 420
gaaaccttac aagccaggaa agaatgatac attcaaagta ctgaatgaaa aaaatgctat 480
ccaagggata ctatatctag caaaaatatt ctttgtaact gaaggagaaa taaagtcttc 540
cccagaaatt gcttaaggga gtcctaatcc tgggagcaaa atgactacat ttaccatcat 600
gaaaacttat gaatgtgtaa aacctgctaa tanagcantc acacaaagga ataagggaaa 660
gtaattaaat ggtcctgtac nggaaaacca ccaacccana attggaanaa anaattnanc 720
ttnaaaaacc tcgagcctct tgaactt 747

<210> 4858
<211> 1197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1197)
<223> n = A,T,C or G

<400> 4858
aggggtttac actnctaaaa ttnttgagct nncgntgggc gnaaaggggg cnccccttaaa 60
naanttaagg cccncctnaa aaanaatcag ggannattnt gggggggctt tgnggggggg 120
gtcatctatc nnnacaccnt aantntatta cncatagata ctcaattncc ntctctagna 180
natnnnngga tctttntcgg ctntnnancc nctcctacta ttactnctna aacgtnccnn 240
catantctnt ntacacatat atctnanata ctatacatat antntcatan tnntactact 300
ctnatntctc ntctacatct ctanttatnn ntcnntcnct ntctncnatc tantctcata 360
tctnnacgac nnactatttt tnctccnntt cctnctntcn cnntnttanc cccnatnann 420
atctntcacc ntnnattttc naatactcta tctattantt aactatctnc tntttcnnnc 480
nnntnnnnct atnnnnnctte tananactcn tccnctnnnc tnntnncnnn taantcnntn 540
cnntctctnn tnnnnnntnn tgnnnancct nactaanntc ntcnncntcn ntnattanna 600
nattnntaca nntcntccct ncanctnnnn nattntatan tcttnttncc nnttcantnt 660
anatnttntn nctancnntc nntaattcaa nattnatntc atcntcnnnt nttnancaat 720
nacaatnacc nccanntcac ctaatnttna tcncatacna cnccnnnctn tanccnnata 780
tnactncnnc anttcnntnt natctctnnt tnacacactc cnnngantat actnntnaca 840
cttcttatat nntntacntg tnatacactc ttnacntana tatnnatcan actnatanaa 900
agcatactat catcttacct nctntnatat accatncacc aatcacttan tntatncatc 960
tcannacanc tccacatatn actcatcnct aatatgtctc tataatnntn catctactca 1020
ntcacnnnna ctctntagat atatnctata ctncancnta tatntatcna ttcatctaca 1080
nantanctcn catctnttgn nctatacnat aattgtntct catatntntt tctcctacan 1140
nctttatctc gatnnttatc ntgtancncn nntntatcta natatnacat atcacat 1197

<210> 4859
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 4859
gaaancccct ttgttactnn gtnctttttg caggatccct cgattcgaat tcggcacgag 60
ggggattcat aattccagac aggtagagaa cggttttatt tatgtagaga cagagtctcg 120
ctctgtcgcc cagctgaggc ggggagaatc actttgacct gggaggtgga ggttgcgctg 180
agctgagatc attacactgc actccacctg ggcaacagag tgagactatg tctcaaaaaa 240
aaaaaannaa aaaaaaaact cgagcctcta gaactatagt gagtcgtatt acgtagatcc 300
agacatgata agatcattga tgagtttgga caaaccacaa ctagaatgca gtgaaaaaaa 360
tgctttattt gtgaaatttg tgatgctatt gctttatttg taaccattat aagctgcaat 420
aaacaagtta acaacaacaa ttgcattcat tttatgtttc aggttcaggg ggaggtgtgg 480
gaggtttttt aattcgcggc cgcggcgcca atgcattggg cccggaccca gcttttggtc 540
cctttantga gggttaattg cncgcttggc gtaatcatgg catagctggt tcctgtgtga 600
aattgttatc cgtcacaatt ncacacacat acgagccggg acataaagtg taaagcctgg 660
ggtgcctaat gagtgagcta ctcacattaa ttgcgttgcg ctnctggccg ctttccaatc 720
ggnaacctgt cgngccactt gcnttatgaa tcggccacnc ccggggn 767

<210> 4860
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4860
ngnntttaag atcannccaa gcgcttggtg caggatccct cgattcgaat tcggcacgag 60
gaccacctac ggaaaactga ggcccacata agctcgattg gttgtacctc caacagatat 120
ttattaagca cctactaaat actgagccca ttgcaagcac cagggaagcc tctgtgaaca 180
gcacaaggtc cctgctctgg agattctgct tcagtggtgg agacagaaaa taaacagttt 240
cccgtcacca attttccttg gaattggaca gatggcagcc accataatga tactatatgt 300
gtccaagcta aacaaaatca ttcacttccc tgattttgat aagaaaattc ctgtaaagct 360
gtttcctctg cctctcctct acgttggaaa ccacataagt ggattatcaa gcacaagtaa 420
attaagccta ccgatgttca ccgtgctcag gaaattcacc attccactta ccttacttct 480
ggaaaccatc atacttggga agcagtattc actcaacatc atcctcagtg tctttgccat 540
tattctcggg gctttcatag cagctgggtc tgaccttgct tttaacttag aaggctatat 600
ttttgnattc ctgaatgata tcttcacagc ancaaatgga gtttatacca aacagaaaat 660
ggacccaaag gagctagggg aaatccggag tctttctaca atgcctgntt tntgaattat 720
ccaacttctt attattagtg gcttcactgg anaacctgnc t 761

<210> 4861
<211> 984
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(984)
<223> n = A,T,C or G

<400> 4861
tgngntttttt taaaaaccag ctacttntta tnaaggcagg cnaccgattc nnattgcggg 60
angancatng attcgngccc ctgcatgatg gtggcngaac tnnntgccca aagtggggcc 120
tgggancccа acaaccccaa cangccgncn cggtnaaccn acaatatcaa cccgcaaacc 180
ccagggacgc cggccatgta caacacagac cagatctctc cctatgctgc cccctnccca 240
caaggtttтc tnccanccca tgcccagccc ccanagctac caccaagtgg tgccaanccc 300
agcangctac catnaatacc cantccccat ncaggtccac cntacaccgt ntaccatggt 360
ctatcaggct atccccancc cgagcnccgt ttggctacag gtctatgaca acctggnagc 420
tccctntccc atgggnggggt anaaanccca acaaaactgc tcaaggcttn aagggtattn 480
tgaagcgnga aaantttcgg gcagaacttg gggttnaccc nacctggnnc antttntaag 540
ggtngaaaan ggttgccggg gggaanaacc ctttactcct tgggaattaa cnaacnaagg 600
gttggggtgg ggggaacaaa cnaacaaagg gggnggggtta antccccccc cngtnnggtt 660
nnacnggggt ttccccttgg gggggggcccc caaaagggtt ngggnangng ggttnggagc 720
caaggnaaat tncnctnttt ncctttnggg gtancccccc ctttaaaact tngggaagaa 780
aaagaaactt tnnttcccna aaattgggtg naanagnccc ccaaaagnng ggcaaaaagc 840
ttggggattt gnggggaaacc ntaaaggggg aaaggggggag acttttttnaa ancccaaagg 900
ganggnctttt taacttgatt taaacggggg aaannaangg agggnttnct tggggaaagg 960
anaaantttn tgccaaanaa ccnc 984

<210> 4862
<211> 772

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 4862
ggnnnggttt anancagctc tngatctcng tgcacgancc ctcgtttgna tgatcnnatc 60
gattcgctca ngtcggntgc catttatggn atnactttat tttatttnat tgcattatna 120
tatnatnttg agacagagtc tcactctgnn acccangctg gantgcagtg gccggatctc 180
ggctcactac aagctctgcc tcctgggttc acgccattct actgnctcaa cctncngagt 240
anctgggact ncaggcgcct gccactgggc ccggctaatg tntngtattn ttagtagana 300
cagggtttca ccatatnanc caggatggnc tcgntctnnt gaccttgtta tctgcccgac 360
tngacctncc aaagtgctgg gattacaggc gtgagtnacc atgcccagnc tcaagtaggt 420
tttgaatgaa tttctcatac ttttaaagta caacattatn gcaataacag gactattnca 480
cttcttttct aatttggata atggatagat natcctaagt gtnatangat ggctcaacct 540
ccgtacaatg gtgaatcccg nntcagtnga aatctcggcc nggtgtcaac cttgaacana 600
agcccctagt natnaccatt tngtgnatta gcctttggtg ttnagttttt caccttggnt 660
taactgnnng ccttaaacct cnttnagctc aagtggaccc ttccnacctt taaccggccc 720
cgnattaagt tgggggancc atttgggcct ttgcngccna ccccnggccc cc 772

<210> 4863
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(848)
<223> n = A,T,C or G

<400> 4863
nnnnnanngg nttttatnct cngtnnncnn tttnnaanan ggnangcnac tggtncgaat 60
gcaggaccca cnattnnaat tcggcacgag anggccttan gctttttttt tgtagggtga 120
gagtggggga gagatctctt gctctgttgc ccaggctggt ctccagctcc tggcctccgg 180
cagtcctccc acctcagcct cccagagtac taggattatg ggcatgagcc accacaccta 240
gccaggcttt ttatattgag ttggttatat atgcttcata gccacacttt ataatattgg 300
agtatagtat taaattacag cttgttgtca agtcagngtt tctgtaagac agtatatnca 360
atattggnta gagtaacacc tatttggtga tacaagatca acagggtgtc tctgattaat 420
ttagctccta catagcccag aagcnagttc attatgattt agaatattgt acatggttat 480
gcaaggaatn atnccaacct atntgtgttt atanggtcag atgatgttca gatttatatc 540
tgctgatagn gntntnttgc ngggaaaacc tataaaaccc cttcngactt gttanaaaca 600
gtgagnaaag ccnngattgg aaatatttaa ttacaaccct cgtggnatta aaattttnan 660
tttaccattg ggaatggtta aaatgctngn ncattttgna annttttgtta aaanccttgn 720
ntcctttaaa aacnttttga aataaccctt gntctanggg gaaaaaangt atttnnaggc 780
ccnaaaanaa atannanang gggaaggngg ggggattttn ccaagtnccc ccntatgttt 840
gggggggcc 848

<210> 4864
<211> 769
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 4864
tngccttang gtnnnccttc ccatgcactc ccacggaaan gcccncccat cgtangcgca 60
gcatccacat gaacaggcgg cgccgaaggg atcctgcccc tnactctcnt tttctgttga 120
accatctgga attcacaggc ctgtcatgag agacacgatg agaagtcctt aaaggtagat 180
cactgattca caggggagca ggcggaggca agggtgagtc agtgcttgga actcagtcat 240
ccagatttgg ctctggaaac ttctgaagct gtagcctttg gggatccctg actgcgagta 300
caggaagcca acgctatgtg gtcttctgga aactcattat ctttttcact ggtgctatct 360
gggaaaaaca gatgaaaacc tgaaggtgtt ctgtatgtgt gctttcaaaa gcaaggatct 420
ggccggacgc agtggctcag gcctgtaatc ccagcacttt gggaggccga ggcaggagga 480
tcacctgagg tcaggagttt gagaccagct nggccaacat ggcgaaacca tctctactaa 540
aagtcaaaaa ttatctgggt gtggtggtgg gcacctgtaa tcacagctac tcaagtagct 600
gaggcannaa gaatcanttg aacccaagag gccaaagttg cacttgagca caagatcaca 660
ccactgcact tcnacctggg tgacaagaat gaaacttccg nctcaaaaaa aaaaaaaaaa 720
aaaactngac ctntanaact atagggagtc gnattccgta annengacn 769

<210> 4865
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = A,T,C or G

<400> 4865
ggnnttnaaa tatcagctct tgttcttttt gcaggatccc tcgattcgaa ttcngcacga 60
ggtctangnn gatgtctntc naatcatggg ntgtccntnt nttttgacac agggccttgn 120
cttattgctc angctngagt gcagtnagct gtnatnncac tgctgcnctt cngcgnannn 180
gtnanaatan tactctgnnt nnganngaan naantanatn gntacccnna naccaactct 240
gtctaaatgg aaaagatgga tnatnaatct tagncttnat agaacnntga gattntcaan 300
nggtgcgang cacagtgctc attnttncat cctatcacaa gacncgtnta acctntaacc 360
gtnaacaana tgnaatcgnt gtataaaaac aatnnctgtg nttaataggt gactgactac 420
agtagccttt naggagtcca nagncactta ttcagcctga tctttccaca tacactacat 480
tgnattgtnt aanattcnta naaattactg cgcnatctan ngctttaanc ctnatgtagt 540
gactgntgct atatctggaa gtatctntaa anagtttgct gggnnttnct cactgcttaa 600
tcntactaga cntatncatc tgcctatcnt atcacttngc cnnnatgatt actgcaccgg 660
tntacgaaaa atnccattan tgattaaact tttaaaggnc aangaccata tntnnng 717

<210> 4866
<211> 1403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1403)
<223> n = A,T,C or G

<400> 4866
gngacgttgc aaaaagcctg gggtttccaa aagccttggt tgacgcccat cgcttggang 60
gccgttngcn aacgcnccna cacgcgnnac nngnncnact gagacnagca anggtgncaa 120

nggncagann acaaggangg agnctnnntg nacgcgcggn ttnnnccggg ggnancnang 180
gggggggagaa cnnnccgggn ggnanaatng ggcgngnnng caggacncan ngcanatncg 240
aaagnnnccn nggnanccgc agnccggnng acangcgnct gancnnggan nnagnnanng 300
agnnaggaga ggngngcccc anggagannn gnacggacnn ggagngganag ncannncacn 360
cacggngcnn aaganaggga nanncnngnn gcaaaggggc gagnaanngg ggnantnann 420
ganagangan gannggagna gnnnagngan nannggaggg ncncngnnag tgcatacaga 480
gaanggcgac nngaagcgaa aacgccacaa nanggcnncc nnggngcnna cnnnganaga 540
ncaacncggg nanncagcng gacgacgagc agcanancgn caactagcan agganananacg 600
gaannnggcc ncantcggcg agnanaaaag aaagccacng cnaaacgcac gnagncacna 660
nacgaccnca gnggnncacg gggcanacag nncncgacgg cngcnnannc taancagacn 720
cacagcgcaa aaatgggga gacatgacaa nnnngacagc ganacaccac gacaaacgcg 780
cnggcananc anagcgccnc ganaggacng acggngaaac cgncgacagc nccacacaca 840
agcncagaga ggnnntacac nctagngaca ngagaggngn cngggnaagc gcacgagaac 900
annaacaccg acagagcang agcgnnnana gcaaagaccg gacncnagna cgccnanang 960
acacggncng nagacannag agnannagng atgnngacan aacggngccg aanagaagac 1020
gnacancgca nngaccaaan gnacnnannc accangagaa gaagagnaga acgnacacgn 1080
acnagcacga agaccacnga gacntgaccg cgcacagaga agcacngggg gacgcccana 1140
gaaaanaang agagctgcgc anagagcaca gaancacgat gagaacggnc cnaaacgant 1200
ncacgcccaa aacagganan nctgggggca nacaanagag agcaggtagn caanacngnc 1260
gaanagnccg agcanagaga cntgggnngn ggagnagcag ngnnggnnca nccagaacaa 1320
gaaagnngga cagnacngcn angcantagn nanaangnaa gnnattnnng gntngncagc 1380
gaanngtnaa gcggagngnn cgg 1403

<210> 4867
<211> 1019
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1019)
<223> n = A,T,C or G

<400> 4867
gnnggnnaaa nnggctttta aacatacagn ctacttgttc tttttgcagg gatcccatcg 60
attngaattc ggcacgaggg ccaccgaaga gggcaccagt gtcttgtcac ctggactnca 120
catangacta atnntgntac tggcaataan gatctatana angtcngcna ctgatgtgta 180
tgaaaagcat acntgactnt atatnctaat gtngggatgt gannttncta aagtntnaca 240
ataattngtg ntancatcac atgaccaann gttaactant atcttggaga cactgacttt 300
ntggggccat antnttttga ttttanacca agaacntnta atnatntgta tcccaaatat 360
gntgctcctt ntgnganagn ccaanggctg atttncctnt ncatcttnna tnnttgttgg 420
ancacctaan gaggtagtnt tctngnnggn cctngnaaaa antnttccan aanantaccc 480
gtgtgcntcn ttanaatnga ntaattgtcn naaaattaan ntaggcnntn gnnncaaaan 540
naaaaggcct ccccttttgaa aaacaangtn attttgaaan aangataaat cnntntnnag 600
ttnatcannn nanannnana tntgtcnaat ncnntctana ttttntaccn nnntntagta 660
nnattcntaa aannntanaga ccnttttccc tnntgaagna nnctntgggc ntaannaann 720
tnngntnann nntcancttn gncnngtntn nnnnnattcg ngtaatatgg anncatttnn 780
nanataaaan anannttctn nntgnangac nntactanac aaantttaa antnngttct 840
acancccnnt tttanannta nanantcgna tatgaatttc aatctcccna tnttgttnan 900
ataatcaaat nnanattaaa ttttnataan ccttattaaa acctctttna tgaagnatcc 960
aattnntgat naatncntaa acnatgntat actnnnatat ntnattatnn antgnnccg 1019

<210> 4868
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 4868
tgnnnnncgt nagaccagct tttnaacata caggctactt gttctttttg caggcatccc 60
atcgattcgc atccctggag cagcttccaa cactacttca gggtggcagt gtttggggca 120
ctgggcgagc ctgccggcct ctagatggcc tcatctcttc cttccacaaa ctgtctagaa 180
ccaataaaag gaaacctgcc aaaaaaaaaa aaaaaaaact cgagcctcta gaactatagt 240
gagtcgtatt acgtagatcc agacatgata agatacattg atgagtttgg acaaaccaca 300
actagaatgc agtgaaaaaa atgctttatt tgtgaaattt gtgatgctat tgctttattt 360
gtaaccatta taagctgcaa taaacaagtt aacaacaaca attgcattca ttttatgttt 420
cangttcagg gggaggtgtg ggaggttttt taattcncgg acgcggngcc aatgcattgg 480
gncccggtac ccagcttttg gtccctttag tgagggttaa ttgcgccctt ggcgtaatca 540
tgggcatagc tggtncctgn gtgaaaattg ttattccggt cacaaattcc cgccacatnc 600
caanccgggg gccttaaagn gttaaaacct ggggtgccta aagaagtgan cttaactcac 660
catttaattg gcgtttgccc nttaaatggc ccgcttttca anttcgggaa aaccttgtcc 720
ntnccaagct tgcanttaaa tgaaattggc caaacgccnc cgnggnaaaa ggccggttnt 780
gccttt 786

<210> 4869
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 4869
gntnatgacn tnaaactctt tggcnagcag gctccctcga ttcgaattcg gcacgaggaa 60
tcttccttaa agtccagagt ctcccggann ntggagnttg tccttcccaa gccttctcgc 120
ggggagggaa ttccttcttt ctgccgcctg ttacatccct gtgtgagaag gtctggtgag 180
ctgagcccac atcactcgtt ctgctgccca ggtgtgcttc catcttcact gtggaaaagt 240
cattttgaac tccccggtga ctgcaaatta agtaatcaag gacagatggg actgggttga 300
ccattccaag gagtacagtt acttgaagaa tctggaagca ataccgagca catttgttgg 360
cattaattca ttggagcaat aatgctgtac gtagaaagta tgttgctttt ttaaaaaaac 420
atcatcagtt ctgagcattt gtagcaagtg aactctaact tggaacggat gataaattct 480
tctaaaaaac aaataaaaac cctccagaca atattatgca ttgagagctt taaaaaatat 540
atatcctaca gcatttggaa aacactttgt ctggctatgc cactgcactc cagcctgggc 600
gacagagcga gactccgtct tcaaaaaana aaaaaaanga agacttgnat taatggagaa 660
acagactggt ccctggctag aaatnccaaa tattgnaaag aagtcatttc tttaaaatna 720
atttatggat ttaatgcngn cctnagttaa aaatc 755

<210> 4870
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 4870
agtgnntttn aananacaag ctacttgttc tttttgcagg atcccatcga ttcgaatcat 60
aatggggaag gccatccagc ctcgcgtcgc gaacgccagc aagacgtagc ccagcgcgtc 120
ggccgccatg ccggcgataa tggcctgctt ctcgccgaaa cgtttggtgg cgggaccagt 180
gacgaaggct tgagcgaggg cgtgcaagcg ctcaccgcat cgtggcacct ggcaagggca 240
tcctggctgc agatgagtcc actgggagca ttgccaagcg gctgcagtcc attggcaccg 300
agaacaccga ggagaaccgg cgcttctacc gccagctgct gctgacagct gacgaccgcg 360
tgaacccctg cattgggggt gtcatcctct tccatgagac actctaccag aaggcggatg 420
atgggcgtcc cttcccccaa gttatcaaat ccaagggcgg tgttgtgggc atcaaggtag 480
acaagggcgt ggtcccccctg gcagggacaa atggcgagac taccacccaa gggttggatg 540
ggctgtctga gcgctgtgcc cagtacaaga aggacggagc tgacttcgcc aagtggcgtt 600
gtgtgctgaa gattggggaa cacacccctc nccccttgcca tcatggaaaa tgccaatgtt 660
ctggccccgt tatgccagta tctgccagca gaatggcant gtgcccatcg tggacctgag 720
atcttcctga tggggaccat ga 742

<210> 4871
<211> 846
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(846)
<223> n = A,T,C or G

<400> 4871
tttnaaatcc cagctctngc agnanttcaa gtccncnttt ctaatncttg gcanctcgat 60
ctcgcncgaa nnnnntnggc ncgagantct gcnctacaac ngacaggatt gntagaacnt 120
nnnnngtcng ggggatntng aatantnnnt caacacnngt gatacgcntg anctaacagg 180
tggtgttttn antataccna cnnaaatagc angatgcgac aacantcctg naacngtgtc 240
ttntcaaagn caactggcct ggaaggctac aagtgtcnnn aaagattctg ttcagaatct 300
agccacagan ataaaggatg gacaaatacc tgngacatag tctnctcana gacanccaag 360
ccttgaangc tcaggtgatg aaaangattn tgtttcgaat ntanccanga gaaataaagg 420
atgganaaaa ntctgggaca ntgtcttctc agaancaatc ngnccatnaa ggttntattt 480
nacangaaag ttctcntttt gaatatttgc cacacngaat aacnggcggt tgngaaatct 540
nnaacagagt atnctganaa tntgcccanc cntgnaangc tacaattgaa aaataataan 600
ntctgatctg aaatacaagc caccaaaatg naangattgt acnaatcatn cncacccagc 660
agcaacanng acttnatgaa atggccatcc annnnggaaa accanaagga agctttgnna 720
nnaatntgca atanattacc canncnnaca aggttgaaaa aanccanaat tncattnctn 780
agggatggac cctttgntng accttaaatt ncagtccntc ctcnaaaccn ttcttnaaga 840
aggnnc 846

<210> 4872
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = A,T,C or G

<400> 4872
ggnnttnaaa tatcagctct tgttcttttt gcaggatccc tcgattcgaa ttcngcacga 60
ggtctangnn gatgtctntc naatcatggg ntgtccntnt ntttgacac agggccttgn 120
cttattgctc angctngagt gcagtnagct gtnatnncac tgctgcnctt cngcgnannn 180

gtnanaatan tactctgnnt nnganngaan naantanatn gntacccnna naccaactct 240
gtctaaatgg aaaagatgga tnatnaatct tagncttnat agaacnntga gattntcaan 300
nggtgcgang cacagtgctc attnttncat cctatcacaa gacncgtnta acctntaacc 360
gtnaacaana tgnaatcgnt gtataaaaac aatnnctgtg nttaataggt gactgactac 420
agtagccttt naggagtcca nagncactta ttcagcctga tctttccaca tacactacat 480
tgnattgtnt aanattcnta naaattactg cgcnatctan ngctttaanc ctnatgtagt 540
gactgntgct atatctggaa gtatctntaa anagtttgct gggnnttnct cactgcttaa 600
tcntactaga cntatncatc tgcctatcnt atcacttngc cnnnatgatt actgcaccgg 660
tntacgaaaa atnccattan tgattaaact tttaaaggnc aangaccata tntnnng 717

<210> 4873
<211> 1194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1194)
<223> n = A,T,C or G

<400> 4873
cccccacnnn acncaacacn cancaccnan ncncnannnn ncancaaaaa aaaanccanc 60
ccanaaacac cancccccaac acncaaacaa ncccncccac cancennaan gggcccncac 120
cancctgtca agcnaacgac ccacnacnaa gcngccgaga agctncaccn nacacccaaa 180
ccncatacag ngggcngggc aagcngggnn cncatnggga nggggaaggg ngcccggcgc 240
ctanccnncn nccnggnnnc nacaggngna ccanatnggn ccanccccca nacnaccang 300
tacccannen nncacgnnaa caccnnnnca anacaccncc catcnaangc anaaccgacc 360
anangnacct accnaancan acccncccana gccnacncna gcnncacacc caaccccccc 420
anncanggnc accnacngca aagncccnct cgcnnngatc accancantn ncnaatacan 480
cacnancnac cacnccncaa anacnaacgc ttancccnan cgaccccana cnaaagaccc 540
ananagcaca cacntggnaa naaananacn cancgccccc cnannccccaa naangcgcnc 600
nccaacacan cnaaccccan ncacccnnaa acccncannn cacnggcgac annnggaana 660
cncccccantc cccacnnnca canacnaanc ncnanacacg nnaacncncg ancnnacccn 720
naaanaacan annnnnngca nnnanaaaac cccnangncn tacnngcaca cactcnccan 780
accagntnnc acncaaacgc ncacnaccac ncaccncccc acnacaccna cgcnccncna 840
cccacccccc accganacna gcccaaacgn nccanncacn ccaangnaca nnccaagcgn 900
cacaccncac acgacncana cccnccnnna cactaacncn acnnnnnaca cnnnnccacc 960
cacanagcac canacncnnc canccnagaa ccacaccnna acnacnnanc tnncctcncc 1020
anncngccnn nntnnccgct cgcanaaacn nancccncca acacaaancc naacacaaca 1080
cntnccccen tnaananaca ccacnnnaac tccannanan aancaacnnc nnccaccanc 1140
aancaacacn cacnacanta cagacncctt anannancnc cnccacaacc nccg 1194

<210> 4874
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 4874
ggtttttnat cacagctact tgttcttttt gcaggatccc atcgattnga attcggcacg 60
aggtactttg agtgtttggg ggttcaacac acacatgcaa ttttgcttaa caaaagtgnn 120
ntataataca gtttcataca gaattacctt aaaagggagt cttatgtttt caactacaga 180

tagttgtaag ggatcataca gaagatattg atgatagttg aaatattctt agaaggggtg 240
tgtatgtcta gctgtgtcta ccatgtgtat gtattcttga caagcantat naaatacctg 300
tgatntttct ttacattacg gataatgcat aaggaattaa tcttcatata tattatcatc 360
cctaatgtag cangggaag tatttaatng cccatgatat gtatnttact tatactatgc 420
caganaggaa actntannnt cattacacnt gtannctngg gttnntcaca tatgtacgtn 480
ttcattnnna gtaggtngaa gatganacta aatatttnca tgaatngaat ncctgatggg 540
atagcctcaa taagtattta aaagccngtn ttctaaaaat aataaagggt aggggtcatt 600
tttgacttnt gttgatcttt tgctattgnt aatattnaac aatnnangtg ttacatttgg 660
tacctggnag ncnnnaatgc catnnattgn nnaacancct gaggatgntg aacaagncn 719

<210> 4875
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 4875
ggtttttnat cacagctact tgttcttttt gcaggatccc atcgattnga attcggcacg 60
aggtactttg agtgtttggg ggttcaacac acacatgcaa ttttgcttaa caaaagtgnn 120
ntataataca gtttcataca gaattacctt aaaagggagt cttatgtttt caactacaga 180
tagttgtaag ggatcataca gaagatattg atgatagttg aaatattctt agaaggggtg 240
tgtatgtcta gctgtgtcta ccatgtgtat gtattcttga caagcantat naaatacctg 300
tgatntttct ttacattacg gataatgcat aaggaattaa tcttcatata tattatcatc 360
cctaatgtag cangggaag tatttaatng cccatgatat gtatnttact tatactatgc 420
caganaggaa actntannnt cattacacnt gtannctngg gttnntcaca tatgtacgtn 480
ttcattnnna gtaggtngaa gatganacta aatatttnca tgaatngaat ncctgatggg 540
atagcctcaa taagtattta aaagccngtn ttctaaaaat aataaagggt aggggtcatt 600
tttgacttnt gttgatcttt tgctattgnt aatattnaac aatnnangtg ttacatttgg 660
tacctggnag ncnnnaatgc catnnattgn nnaacancct gaggatgntg aacaagncn 719

<210> 4876
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4876
ttgaancttt aatntnnacc cctttggaac ttnttgcagg atcccatcga ttcgtgtaga 60
ggaggtgagg aaatacttta atgtgttgga aaccatgggt ttgaacagaa gatacgcata 120
tggagtgggg aatggaaaga aaactttgtg ctacatttac tgtaaattat atcttattga 180
ttcagtaaat tcaggtggaa tacggaagtt caaatttaaa gattacccat ggactcctga 240
cctcaggtga tccacccgcc tcagcctccc agtgggctgg gattacaggt gtgagccacc 300
atgcccagcc tcatcattct tattaactgg tttaatcctt tcaataatcc tattaagtag 360
aattattagg taattagaat taggttaaaa agagctgagg tgtgggtgtt cgtttctcag 420
gtaaaacatg gctaaaagct tacggagtaa gtggaaaaga aagatgcgtg ctgaaaagag 480
aaaaaagaat gccccaaagg aggccagcag gcttaaaagt attctcaaac tagacggtga 540
tgttttaatg aaagatgttc aagagatagc aactgtggtg gtcccaaaca ttgccaagag 600
aaaatgcaat gtgaggtaaa agatgaaaaa gatgacatga aaatggagac tgatctaaga 660

gaaacaaaaa gactcttnta gaccacatgg cagtcccata tggatgacca agcaagaaaa 720
gctgcggcaa gcagagaaaa naagggaaac caacaaacat n 761

<210> 4877
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(687)
<223> n = A,T,C or G

<400> 4877
agacaagcta cttgttcttt ttgcaggatc ccatcgattc gaattcggca cgagtattgg 60
tttgtagaaa tgctactgat ttttgtacgt taatttttgt atcctgaaac tttactaacg 120
tcatttatca ggtcttttgg agggattgtt agggtttttt taggtttaga atcatattgt 180
gagtgaacag agataatttg acttcctctt tttctattta gatgcctttt gtttcttttt 240
cttgcccgat tgctctgggt aggacttcag tactatgntg aatagaggtg gtgagagtgg 300
gcatccttgt cttgttctta ggggggatgc tttcaccttt gcccattcag tatgatattg 360
gctgngggtn tgtcatagat ggctcttatt atnntgagag gtatgtcnct tcantgccta 420
gttagttgag gatttttatc atgaagggat attggacttt atcaaatgct tttctacatg 480
tattgagatg atcatatggc cntgggntta atctggnnta tgtgctaaac ctattcccan 540
atcaaaanaa angatttctn ctaacacatt ctacgaacca gttcacctga accaaatctg 600
caaggcncac ancnatnata aaaaaaaatc gctntaaact tnnggnnata ctaaaccaac 660
tganagnnct gatnagttgn cacccnt 687

<210> 4878
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 4878
gnangctact tgttcttttt gcaggatccc atcgattcga attcggcacg aggaggggag 60
agaggagggc cattacaact ctgccttcaa gactcatctc ttaaaaacaa aacgaaacaa 120
aactacaacc accatcaaaa ccacacgcaa aaaaaaaaaa aggataactt taaccgaagg 180
aagggtttgg ttccattcaa ctccacattc attgtgcctt tacttgcatt agatttctgt 240
gctttcttcc tttccctctt tgaagcaatt aaaatcttcc ttgataactg ctgtttcttt 300
ctactcttgt ttctggcaat ttagtgggtt ccttctctag tggtcttaaa tctcattcca 360
ctggtggcaa gatggggcct anccttcttt tcacatgtct aatcttttcc tttctcatgg 420
tgccctccat ggaagtcaca gtnaacactg aataaatgac tagaatgaca cgtgtgcgtg 480
ccgcacgcgt gtgcntgtgt gtgttcatct gtctgcatgt gggatcaatt tcttttagaa 540
aataatttat tgnatgattt attttgggag ttatattctg attacagngc tccttnttcc 600
aaatagcatt gatttttccc ccttnaaagn ataatctggt ctcaggttgg atctttngga 660
catntctctc tctggatgcc atgcagttaa ttaaaacctt gcttaaaaca aaaanaaaaa 720
aaat 724

<210> 4879
<211> 925
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(925)
<223> n = A,T,C or G

<400> 4879
tnnnnannnn ntnnnnnnnn tnnnnnnngg ggnnnnnnnt nggntttana ctcgggaacg 60
tttctnagca ggnngccatc gnnncgaatg cggcacnngg nggtanccga attcggcacg 120
agggggacaa ggctataaat atcattaata ccaggttcag gagtttgcac tgcactaaaa 180
atcaactcag ctatttgagc acctttttata gagtggaaat ggggttgggc agtaganaag 240
agcactttta gagaggcttt tntgcagnag ncaggggtta cacctgttaa ccagccataa 300
ttttttttttt aagcggctgt gctgaggatg agccccatgt agttggtgca ggtggggaca 360
cactgtctgt gtaactagaa aaactaggca tggccgggca cggtggctna cacctntnat 420
tccagcactt tgggaggtca agggggggagg aacacttgag gccngagaca atataatata 480
taatataata tattggccag ccttggacaa tataaataaa gagccctntc tgtaccaatt 540
taaaaaacta aaaagcctng gggtgggngg gnacaatacn ctgtagtcct tggcttanct 600
ttggggaang cttgngggca aggtggnatt tgctttggaa ncctacggan tttcaattgc 660
ctgtnaagtg gaagcctntg ggaatcgttg cccncttgnn atttccnacc ctggggttng 720
ggaggaaaaa aacccttntt tntacaccac cncncncccc cccaaaaana anttggccca 780
aatgtggctn tnantaaaag gggaannccg aaataggggn ttcttngtan ttaanggngg 840
caaaaaaggg ggggnggntc ctgnggaaaa aaaaggccca ccccttttng tgttggnggt 900
ngggaaaaan tttnaaaanc ncnct 925

<210> 4880
<211> 1170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1170)
<223> n = A,T,C or G

<400> 4880
ccnannncna nccnnanncc naanngannn accnnnnnnn cnacnacnnn ancngncnac 60
ncnnacnacn cncgcccann nacncnacnn aanancnnnc gcnnannnan ccncnnnncc 120
nncnacactc nnnccnnncn anngnncacc cnnnncnnnn nnncnacncn ananncccnc 180
acnancccca naacnccngc nntggcannt ttnaaatcaa ancncttggg nnaacnncca 240
naannctncn accaccaccg anannegnac ncacngcccg nnnnagcncc agnnncccca 300
acncncnatc ccntncgcnc gaacnnncta nccngggggg ngggggcggg ggcangggng 360
aancgnngnc cancccgccc acnccnaccn acacnncccc anacccancn ccnnnacnnc 420
aancccncnc ccatacnnca naccganccc nnannncccna cgcaccncca cnngacccgn 480
aancnnaaac acacacncac accccgaccn cnnacaanac cncncacnca nncnnnccnc 540
nacaaaaccc acaccgccnc ccncaanccn ncnnncaccc nacgaccacc caacacnccc 600
aaccgcncna ancccncacc acnncnccac cncccaccnc gacnnananc ncnnncncca 660
ncacgccnan accaccnaan nnccccncCC cncccccaacc aaccnaannn cacancagnn 720
ancnacnnan ncancccccan cccccataaa ccnaccacac ctanncancc cagacnannc 780
aacgnccnnn ccctacaccg annncnnnna ncnanannac antncnacan ccacaccaat 840
nccgcagcag acatcgcana cacncagccc ncanacacna nccnnaccac caanacntna 900
cnnacacaca cnaacncnan aacnatntnc cacgcncaca nnacaantcn atcncccCac 960
gnacnnctca nncacancga ncaatacana ncacganaca cancnacgan nnccanacnc 1020
caacncgcga cngncacaca caccacncnc ancncacgac nctannanac ncacanacan 1080
ncctccanaa cagnacncng cncncacagc accacacgat nacacngnag cacagacnca 1140
acncgcgaca naatnncaca cacnnacgcc 1170

<210> 4881

<211> 795
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(795)
<223> n = A,T,C or G

<400> 4881
gnntttnaan nttttaaatt tatacanctt nttgttcttt ttgcaggatc ccatcgattc 60
gaattcggca cgagggtaga ctggctaggg atcctggacc cagggttcca cgtagcaaca 120
cctgctgagt tctctgggtt ttcttcctgc ctcatgtagc ccagacttgg agctgaagaa 180
gctggaaaca tggaaacacc aacagctaca gaccaaaaaa agtcccaaca aaggcctgtc 240
agtctgccag cctgttctgt ggatttccaa ctcaagatgg cagcatcaac tcacacctga 300
agttctggct tccctacaaa ctttgaactt gccagtcccc acaatggcat aagccaattc 360
cttaaaatga atgtctagtt ctagataatg tgtgtattct actggttctg tttctctgga 420
gaagcctact aatagatcat ttgtcttaat caattcaagc tactgttaca gattaccata 480
gactgggtgg ttaaaactac aaatacttat tactcacagt tttggagtct ggaagtctga 540
gatcangttt ccagcaggat tgagttcttg gtgaacatcc tcttcctggt ctacagagta 600
ctgngttact taagtggaaa aagtagggtg agctggttct tttggcctct tcttttangg 660
gactaattca tgagggctnc accctcatga cctatttacc ttccaaaggc tccatctcca 720
aataccatca caatggggga ttagaattca acataggagt tttgggagga cacaaacatt 780
tagtccttac ancca 795

<210> 4882
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 4882
ttcaaaccag cttttganct tnttgcagga tcccatcgat tcgnntcaaa canagnattg 60
tgatattgtc aaagagaaaa acnaatcctg aagatacatg gaaatgtaac ctagtttagg 120
gtgggtattt ttctgaagat acatcaatac ctgacctttt ttaaaaaaat aattttaaaa 180
cagcatactg tgaggaagaa cagtattgac atacccacat cccancatgt gtaccctgcc 240
agttctttta gggatttttc ctccaaagag atttggattt ggttttggta aaaggggtta 300
aattgtgctt ccaggcaaga actttgcctt atcataaaca ggaaatgaaa aagggaaggg 360
ctgtcaggat gggataattt gggaggcttc tcattctggc ttctatttct atgtgagtac 420
cagcatatag agtgttttaa aaacagatac atgtcatata atttatctgc acagacttag 480
accttcagga aacatangtt aagccccctt ttacaaagaa aaagtnaaca tacttcagca 540
tcttggaggg tagtttcaaa actcaagttt catgtttcaa tgccaagttc ttattttaaa 600
aaataaaatc tacttataan aagaaaaggt gcattnctta aaaaaaaaac ctttaaanga 660
aaatgaaaga agaacccttt tncangatac ttactttgan gactgttttc ccctttttna 720
tgagatatag cttaganatc ggcgnggggn atttctttan taatnctctg ggttttggat 780
ctggccttg 789

<210> 4883
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 4883
tcnctntcat ctnaacnctt tgcaattncc ctttttgcag gatcccatcg attcgcccag 60
ggccgnctgc ctgagcctnt ctgcagctgc tcacntttg ctgaggcctc tgccttcaga 120
gctagtgggg cctgctcaca cattccagcn gttncctctn tatttgncct gaaccaagtt 180
gtagaattta aaggaggtga agnaaggcga ttnctatgga aaatatattg nncttcttta 240
ctcctcatgc tnagtgcata anaatntatt atntcccctg aatgttcaaa gtggtgtgtg 300
tgtgtgtgta aaagaaccag gagcaaacaa tcttaatagg aatgtgcgat cttgcgccta 360
tctttagcac acttaattag ctacaacccg ggactgtngc catttgaaca aattgntaac 420
aaaatctgcc atgttttgct ctttttcaaa aggaangact cnaataacca tagcaacact 480
tactcagntt tgtgatccac tccaagatta tgggagcaag aacagatact cctgaaagca 540
accctcacct cctnccccgc cccctgccct cagcaagtcc tggcctgtgt gaactgaagg 600
gtttggaagc tctggtttct aggagtgccc agaagcttga aagactaggg tgtactagtt 660
attgangggc agttgtcant ggcagtgtgg gggcacccca attngtattc canggcactg 720
cattgctttt tt 732

<210> 4884
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 4884
gantggtcga actnaaccct ttggaaantc cctttntgca ggatcccatc gattcgaatt 60
cggcacgagg gccactccgc ctcttccctc ccttcntttt ttcttcctct ccctttttc 120
cttcttcctt cccctcctcg ccgccaccgc ccaggaccgc cggccggggg acgagctcgg 180
agcagcagcc aggtagaact ttagacttca tagcactgaa ttaacctgca ctgaaagctg 240
tttacctgca tttgttcact tttgttgaaa gtgaccatgt ctcaagttca agtgcaagtt 300
cagaacccat ctgctgctct ctcagggagc caaatactga acaagaacca gtctcttctc 360
tcacagcctt tgatgagtat tccttctact actagctctc tgccctctga aaatgcaggt 420
agacccattc aaaactctgn tttaccctct gcatctatta catccnacca gtgcagntgc 480
agaaagcata aaccctactg tagaactaaa tgcctgggca tgaaacttgg aaaaaaacca 540
aatgtntaag ccntgttgaa ccttactctc gggatgcagn ccacctataa ctaccaaaca 600
tggagnangg aaggaggttt aaatcccccn agggnnactt ttnnncccant ttctaantcg 660
cnanccctttn cncttnnaaa nggngatncn tntangcgng nnggccagca natntcannt 720
gnantaggnn nancccnncn tcctngcnga ngaacnnncn cnactcccg 769

<210> 4885
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 4885

gtcttgtcct cnnaaaccct ttgcacttcc tctttttgca ggatccctcg attcgaattc 60
ggcacgagag agggtggggt ctggccacat aggtnnctct gtggctctgg tctggggtta 120
gacactgtta gggactagca tttattggac ttgtaaagac agcacctcag aattagtaac 180
tacttgcatt ttanggtctg ttntatgaan ccaacaagtg aatgtaaaat aggctctgca 240
tcttttctga gagccctgtc actgggcagt gagcatttcc aaaattgcag ctctgtcana 300
atgaaccatg aatacttaag aaagggaaag taggaacagg gagcagagca aagcataact 360
tgctgtgttc cagggattta aaaataaatt actgtcaaga gcaatataag ggtcatgggt 420
ttgatcanga actttttgta aatgaaaaag ttcacaattn ggaaaaaaca gtgctagatg 480
tgttatggaa attgttatca caaattattc cactgaaact caagtatata anacaacaat 540
atattgctgn gaaatcttan ttntgacata tggaaggtaa ccaanaataa naaccatacc 600
tttttgcttg aagtgcacgg tggtaccaat ttctaaaatt agaaacattt aagccaaaan 660
atantnaacn ncantacccc ctcntngaaa naaaaaancc tcgnaccntt ttgaacttt 719

<210> 4886
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 4886
agnaggnntt tcagaaagct ggnnnaggna gcnggnagan gcnttgaagg cccttgctaa 60
tngcttggaa agctccatct anagagnngg anggtnggga gcncgnnaaa catgcngnaa 120
canctctagg aagtgngaat ctgatacaag ctganatgtt gnntnatgga nangatcnca 180
cngaatggat tgctgtgaac acngtgnatn ncnngaacca gatnaanatg tnatatggaa 240
cnattacanc antntgcact gaagcaagct ggccaagcan gnctgcatgn ccgaanattg 300
aatatnactg ggcanatggn actaanatta aaaagccana nnaantgnnc tgcaccaaca 360
tacatntgac tannnggatg acttgggttc aacgancagn cntgatagat gaaacccncg 420
tttccttnta agattggtgt nccatntncc caaaaacttt atnnctgtgg caganactat 480
ncntaaaagc gncttgnnna gggtttnaan gccnntanna atcaccangc nctantgatt 540
cngtgatgcc atctgccaac taggaggcnc anctnaacnn ctacnttaag cactnnattc 600
nncnttgntt cagggnnttt aancnagntt tgataaggcn tgaanctggg cacctctnca 660
agaattagta canaaacttg gatnncaaga ccnnatnaan ggncantcta ngaacacagn 720
ntccncccnn gcttaatnca ttggtagaac canctcaatn gntatccngt nantgnacna 780
ctn 783

<210> 4887
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 4887
gnnngnnnnn nnngnnnnan tnnnnggnnn tttgcnaata nacaggctac ttgttctttt 60
tgcaggatcc catcgattcg aattnggcnc gagctcngac cttatnanca gcatnacgca 120
tgactaccac ctgnatganc aggatgctga gggccggctg gtacgctgga tcattcncat 180
tagtncccga aagagccgtg cttggcnaca gactccgagg gtcgttcaac tnggctgctg 240
tcccaaacgc tgctgaccct gacagtggcc atganaccat ggngggctca ggtcttactc 300
agnatgagct gacagtgcan atctccnagg agacgactgc agatgccatc gcccgnaagc 360

tgaggcctta tggagctcca gggtacccag caaagccatg actcatcctt tcanggcacc 420
gacacagact cgtctggggg cacccttgct ncaagtgtac tgataaccnc tgacaggccc 480
atctggcaca ccctttctgg gagaagcatg gcctacagaa tgaacagggg gaccaggaac 540
ccctgtggga naggcttaaa cctgancagt gcccactctg gntcctcntg ncttggctga 600
ctggnttctg gaccatgtgc atttcactgg nccatgggat ctacatctct tgcatnccca 660
nctggctgat cctgccangg nccgttncnt cctgctcatg gncttnaggn ngnctgatca 720
tngaaagg 728

<210> 4888
<211> 808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 4888
tttgttggcn ncntagtnan nnngganana cntcntngct ctanaagaat tgggttggtn 60
cngcacgang agatgtgtcc agtgccccnt gtggngtgtg antagaaacn cctgnggnnn 120
aagtgactnn gtnggnccnn ctggcttcgt gcangangnc tcgtnactgn atacgacccn 180
gccacngtgt tctnaangac annnccanan atgggttana ntcnctgctg tgggagtctt 240
tantcccaca cncnggacan gctggtnanc tncactgtnc nngatgatgc acacccngac 300
cnatnacgtc angacgatnc nnntcncgac anntatggtg aagatncctn ccgtggtccn 360
attcttnctg nacntnctgn gnccatgacg ctcacntngc tgtngagctc gntccgtgcc 420
cangtgttgn acatntaaca gatncnacac tgtcttacaa ngggaccacc nangattngg 480
gtctctacaa nagancnnac nntgatcctt aattattctn agggcctncc gttgnttttg 540
gctctgcctg gnnttntagg ncaacgggac aatccaaccn tnnccntttg annancctta 600
tgaacaattt ntgnncttca naattnnnta ngccntttng nagnaataac cnttttancc 660
tnattttgac ctgganttna ttccnnccaa tgccttcgga agntggncct ttnncacnaa 720
ggggaccagg tggaaanccc tcttgatttg gaccaaaaaa ggccccnctt ggcttnatct 780
cccttaaact ngatnncncg tgcnnncg 808

<210> 4889
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = A,T,C or G

<400> 4889
tncttaantg gcttggcnac tngttctttc tncaggnagc ccatgcgatt cgaattcggc 60
acgtaggtca gacatgaaaa ctattttaaa gctgactttg ntgccttatc ttgaaaagaa 120
tctagatagg tgcttttaac tggggtatta actttttag aatgacacag ntgaacagtg 180
ttaataatag tgtgtcaaga ttgcaaagtc gacatactca tttggtttaa gcaggaatcc 240
tagaagcaaa tggatgggga taagaatagg tcattttcta ttcaccatcc tttactatta 300
anggaaagga aaagaacact agctaaggaa gggaaaggga agtgatctca taaaagtagc 360
ancettcatt ttacattctg tctgttgttc ttttcctgct ttgccagnnt gtgctaattt 420
gggaattgtg tactccnaaa caagtagaaa agtgctgctg agggattnta ttaaatcttt 480
ttntaatgga atgtggcnca aattgttcat gttaccaaag cnatatttnc ntgggaatct 540
aattcaaagt tngtggnata caacctgagc cttttcttat ntaacacaag aatatgttca 600
catcttggta tgnggccata tttatngaat gctgaactcn attgtgcaag ttgtnctgga 660

tgcngtttgt aaataactga aaataatttg gntgaccttt ttattcaatt ctgnatagan 720
nttaaaa 727

<210> 4890
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 4890
ttnctactaa ttgcttggct acttgttctt tttgcaggat cccatcgatt cgaattcggc 60
acgagcntng cttttcttgn nancagcagt ttttcngnac anatttgctt tntnttacaa 120
aaagannacn naaatgctgt tgtnttaaca tttcagaaca ganattgtgt tgatgtgatc 180
agtgtttggg ggttaacttt gcgttaattc ctcaggcttt gcnatttaag gaggagctgc 240
cttagaaann aaataaaggc cttattctgc aatantngga ntgaaccaat attctataga 300
acatataggt acagctgata tcgtgtatat nttccttana gaatagctga acaccttgag 360
ccttaanacg gagctgntgg gaaacattan gcactctttt atgcgtttac tcctgcctnt 420
gcttggcact gcantcttaa ganagattca aaaggctgcn aangaganga aatctgttcn 480
nggaatgttt cacnggccna taagatgcnc naanactctg tnctcngatg tntgcctggg 540
cccnatgtgn aaggnaggat gcctgctcgt tcttgcncct ntgcctctna gnacacnatc 600
agtnnnccct tcaagacntt ccacttgnnt aanatattta tnnatgncan gganaaggct 660
ttaantnnat nnggacaaat aatgctttag ttttnttttc caaattaggc ccttntttaa 720
aaacaaggtt ggntgnannn tccctcna 748

<210> 4891
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 4891
ctncttaang gcttggcann tcnttttngc ncgcanncca angngnntgg gagccactgc 60
gcccggccaa ngacactttc aaatactcat gatnggatat gcctctgtga ttgacagtga 120
gcatttcaaa tgggttaaag attgctctgc aaagaggtta actgtngaga ttgatacagg 180
ctatcttcaa catatgtaca ttgctgtata tgacatttac ctaccattgt gcatctggga 240
cttcctgatg gaccacagga attccctttt cttcccattc tcttccagat ctttcttcta 300
cttgaaaccc cttatctaca aaaatgaata aacaacccaa tctcatttct gatcgngtcc 360
tggaattgat ctaaggcaan gtctggagaa gtggtgggag acagcanaca gctttngtta 420
agtcttctaa ccccagcact ttctcagcct catctgngng ttcctgtctc actctgcaga 480
cctcacttna caatgctctt cagatccttt aatgaatagg aaattgattt tgggtatttc 540
tatnaaatac agcagagtct tagaaacttg cagtggcctt nanangaaag aaccccttct 600
taactncctg gccagattna tctttctttt atgggntcna acactaactg ggaanttttn 660
cccatgggan ggtatttgng cctttcagac tggctttttg nngaactggn tttggaggga 720
cataaaccgt aggactggtn atantttn 748

<210> 4892
<211> 714
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(714)
<223> n = A,T,C or G

<400> 4892
ttgncnnctt aatggctngg ctacttgttc tttttgcagg atcccatcga ttcgaattcg 60
gcacgaggtc tcataaccnt nttngacanc aataannnna cgncnagaac cttnnnnaan 120
tcggnnaatc tgnccatacn ccacacggan ctaatctngt ncnngacatt anancttnaa 180
ngcatgcgag tttnctaana aggcngttnt ctttccaaag tggtngccaa ntttatnact 240
tatgtgnana attgnttncn gatgactgcc anaaggcttt tnaagatcta nngctgtgna 300
ggaagttntn taagaaaatn gctgnacnan ttgctanata nttgtnngcc atatntnatn 360
antgtaccan ttgatacttg gctgtncctt ctataangca tagtgagaan ttncnctanc 420
gantttnnta aatgctnttc nggtnacatt gccaagaatn tgttgcnnca naatgnntaa 480
taattntacn ngatngaacg tctacctagg cttaggactc aagctnnatg gaatgctgtg 540
tagnacacat ttgtaaccgn gnccgacatg gaaatngtgg gnaaacngan ntttcctgng 600
aaananaact caggttttac tttngcaggn gcantncnnn atnttntcnn ccctacaact 660
gtgtgagcgn agntnccttt ntcncacttg tgggatacnt ggntaanncg gcca 714

<210> 4893
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 4893
agngnntnnn nggttctncn tctcctngna aacccttaat ggcttggcta cttgttcttn 60
ntgcaggcag cccatcgctt cnaatncggc acgagcntat gtnatgctnt cacctcccct 120
gtgtaggaaa gacctttaac taccagctgg tagtngtctc ancattcttc aaatagtccg 180
gtcttgttta atattattat tattatngtt atttaatttt attntattgc aactgtactt 240
agagaatagt ctggtcttga gacctttttca ctgnggtctg ntctggtgta cggctcccac 300
cagtgtgaag cagaaggatg actttgctct gttgtcagga caaccttgaa ggaaggagcc 360
aaatgtgtgg aggtctgtgg gaagagagag ccacctagca tgtccccact gaaccagtca 420
gcaagaaggc cttccccagg aggcctccaa cagatccctg aatgccacat aaacctcana 480
ggcttggnga tcccaggacc ctccaggcgc tcaagatctc cctttgccgt ggtcctttcc 540
gtcatcacac tggccacagt cctctccaat gcctntgtac tcaccaccat cttaactcac 600
caggaaagct tcacacccct gncaactacc tgattggctt nccttggcca ccaccgaccn 660
cttgggtttt ccatcttggg taatgcccca tcangcattt gccttattcc catttaaccc 720
aacannctgg gaacttttgc caaaatcttg nngtgaacaa tttggctggc ctcngacn 778

<210> 4894
<211> 787
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(787)
<223> n = A,T,C or G

<400> 4894
gncaggctct tgttcttttt gcaggatccc atcgattcgc tagactgcta tgantagtga 60
tgancancat ctcagnctgc caagggagaa catgantccn catgaacaaa ntnggttccc 120
tgancagggg gaaatgnaat gctgagactc acancaggng gtgcgncnta nngacctntn 180
nctgnannga nanantgnag gccacnatac actngatgan nnaatggact nnctcttnaa 240
agtgctggna ntgctnctgc cataantata gtanatatna canttgccnt ggtccnnctt 300
ctacctnaga atgctgtgtc ttacgctctg tcttcccana tctcccanna nttgggaann 360
tctgaggtca gagggcaaaa ngagaacctt ttaattctga ntctgacata atcagatctg 420
gaaccagttg nnaagctgta anacttatgc angcgtaagg tggttggtgg tttaagccnt 480
atgntagctg tggntntcta aaanantntg aatntatctc tgtcatagng tttgacctgc 540
atttgctaan ngngtcnnta anggatgtgg ngannntggn anttncccca tgcattccna 600
gngtctnggc cnntanaaac cnggnccaat tgaagttcaa cntttaactt tnggcctgta 660
naggaccatt tggccatngg tgnccttgtt taaagggaac gaatnttgng aatncgatta 720
agccatttnt aatttccctn nttggccttn aatccccccnt ggaattcttt nncngggaac 780
ccctttt 787

<210> 4895
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(863)
<223> n = A,T,C or G

<400> 4895
nngtccncct ttncaannnc tngganaccc gttctttctc nanacannaa gntctnatgc 60
tgnggcacga ggtctcnagt ttttttttntt tgntngtnga nacaggctcg ctctgncgcc 120
cangctggag tgcannggcg cantctcggn tcactgcanc ctccacctcc cgggttcacg 180
ccattctcct gcctaancct cccgagtagc tgggattacg gccgcccncc accactcccg 240
gctaattttn cggatttttt agtngataca gggnttcacc gtgttagcca agnatggtct 300
cgatctcctg accttntgga tccacccacc taggccttcc aaantgctgg gattacaggc 360
ctganccact tgcgcccggc acattcaggt tcttatcaan gaaataaccc agactttaat 420
cttgaatgat acnattatgc cccaatgttt aagntnanaa aaatttcctt aaaaaggtta 480
tctttaaaat nagnatcttt anngcnaaaa tacccaagct tgatggaaag gccatcttgg 540
atgcccttnc attcttgtnt caattccatc ttcccaaana nccaggttcn aaantaaccc 600
cctttnttgg ttggggcnat atgnaaattt tttaaaggga gttnaattcc aanatggatt 660
nnaaaccaga ctgccntgaa ttgganaaat tnntgatttc cttcaaaatt gtggtttcnt 720
ttctaaantt ggctggnccc ttaatttgga ttaatttaaa tccatgntat tattgattaa 780
atctngangc angatgaaac tttaccagtn ttggaaatta attactaant taatcncnaa 840
tatntnnaan tttttccttg atc 863

<210> 4896
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(723)
<223> n = A,T,C or G

<400> 4896
ttnttnnttt caaatttcaa atnctaggct actngttctt tttgcaggat cccatcgatt 60
cggtggaact gagtgccact cgtaagaatg ccagcaacat ggagtacagg atcaataagc 120

cgagagctga ggattcaggc gaataccact gcgtatatca ctttgtcagc gctcctaaag 180
caaacgccac cattgaagtg aaagccgctc ctgacatcac tggccataaa cggagtgaga 240
acaagaatga agggcaggat gccactatgt attgcaagtc agttggctac ccccacccag 300
actggatatg gcgcaagaag gagaacggga tgcccatgga cattgtcaat acctctggcc 360
gcttcttcat catcaacaag gaaaattaca ctgagttgaa cattgtgaac ctgcagatca 420
cggaagaccc tggcgagtat gaatgtaatg ccaccaacgc cattggctcc gcctctgttg 480
tcactgtcct cagggtgcgg agccacctgg ccccactctg gcctttcttg ggaattctgg 540
ctgaaattat catccttgng gtgatcattg ttgtgtatga gaagaggaag aggccagatg 600
aggttcctga cgatgatgaa ccagctggac caatgaaaac caactctacc aacaatcaca 660
aagataaaaa cttgcgccca tagaaacaca aattaagtac tgcttacaat atctttangn 720
tcc 723

<210> 4897
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(771)
<223> n = A,T,C or G

<400> 4897
gtttannacc agctcttgnt cnttctgcan gancgatncc atcnatnnnn attccgnncn 60
agggggctga ngcgnccgag gacagctcgc gatgagnggn cnacgaaggc tcntctgnac 120
tggnnncann gtnnanngnn ctnnctcngn gtatncngtt cncannctna ncgatncatg 180
tnctntactt gatcnggata naactgtatn agaaccaang nacttnncan nngctactga 240
ccntncccat gtncnnctgc acgtagttgg atagatanca ctaccnntna ccagntcgat 300
gaacccgatn ngtcctgcag ctggtncana ctgtctgngc anctnncnnc ttgcagttgn 360
accttnnggn ccttgttaat gncactacca ntgtgctgtc cttatgccat ggatgttgnt 420
cccagatctg tactaacnnc tnccaggaca tggccaattt gggtagcccc tnantgnaga 480
tgnnctgacn ntganatcac tgatnactan atggggctca ncgtgattta catgccactc 540
ttggtnatat ggtcttantn gatgnnanct ngatgntgnn caacctttntg gaatgaccta 600
natgagctgg anccatgaaa ganattgncn caagcattnc ccnntgacgg ngantatggg 660
ctnantnccc ttattactat tnccttngtg gacttnttan taanattctg caaagctcan 720
gtccaaattg natnaccttt ngnaggcann accnttcatg gntnttgtgn t 771

<210> 4898
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 4898
gnttnttnnt ttnaaatctc angctacttg ttctttttgc aggatcccat cgattcgaat 60
tcggcacgag actgctcctt cattcccaag aagaaaagac aagtactgct acttccaaaa 120
ctcagacacg acttgaaggt gaagtgactc ctaattcctt gtcaaccagc tacaagacag 180
tgtcattgcc attaagctct ccaaacataa agctgaatct cactagccct aaaaggggtc 240
agaaaagaga agaagggtgg aaagaagttg tacgaaggtc aaagaaattg tctgttccag 300
cctcagtggt gtcgaggata atgggaagag gaggatgcaa catcactgca atacaggatg 360
ttactggtgc ccatattgat gtggataaac aaaaagataa gaatggcgag agaatgatca 420
caataagggg tggcacagaa tcaacaagat atgcagttca actaatcaat gcactcattc 480

aagatcctgc taaggaactg gaagacttga ttcctaaaaa tcatatcaag aacacctgcc 540
agcaccaaat caattcatgc taacttctca tctggagtan gtacccacag cagctttcag 600
ttaaaatgca tttnctttgg gtgctccaac tctttgnaac tttacangng aacaaccgtt 660
ttctacngtt tcaancccnt ttattaaacc tttatnagga atgttcttaa aaaaaaaaaa 720
aanaaaaacn nt 732

<210> 4899
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 4899
nggagggntn nnnnntnata gacagctact tgttcttttt gcaggatccc atcgattcga 60
atncggcncg agcctgtgtg gggtgcgngt acattgcana cgctctagng acctgttgtg 120
atgaactntt ntcnatggag agantcactc nngncntanc ancggnnccg gnggatcaag 180
aganacngtg tancnctcng aggatataac tnnncaagat ntactactga tgcanccnat 240
tntngccttn nacntgnggg cattacacnt gctnntgatg ntagntnnaa atgnnttaac 300
agnanncnnc cnattcatga ctgccgtggg atctaaggga atcaatgcca actgtntacn 360
tntggactct naaagctaat attgtacatg gtctatcagt ccnggaaatn tngcttataa 420
tatnnatgng ncnttttaat gacntntatn nnnnagatcn ctcactttnn cnanagggct 480
ataatgagat tcacgaagtn tgcttacnng agagcanaca tccggtnatn atactgaaan 540
tcctgtggnn atnaaggntt ttgaacactt gcaattattt gaattaattc agcncctggt 600
aagaactncc aggaagttca cananagant ccattntgtt gaaactgcct ntggatanta 660
ctccantgnt gnatgctctg ntganatctt ccanntgggc taccgattna aggccatggt 720
caagntnctc acttngcagg nctgaattac c 751

<210> 4900
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 4900
gtcttgtcct cnnaaaccct ttgcacttcc tctttttgca ggatccctcg attcgaattc 60
ggcacgagag agggtggggt ctggccacat aggtnnctct gtggctctgg tctggggtta 120
gacactgtta gggactagca tttattggac ttgtaaagac agcacctcag aattagtaac 180
tacttgcatt ttanggtctg ttntatgaan ccaacaagtg aatgtaaaat aggctctgca 240
tcttttctga gagccctgtc actgggcagt gagcatttcc aaaattgcag ctctgtcana 300
atgaaccatg aatacttaag aaagggaaag taggaacagg gagcagagca aagcataact 360
tgctgtgttc cagggattta aaaataaatt actgtcaaga gcaatataag ggtcatgggt 420
ttgatcanga actttttgta aatgaaaaag ttcacaattn ggaaaaaaca gtgctagatg 480
tgttatggaa attgttatca caaattattc cactgaaact caagtatata anacaacaat 540
atattgctgn gaaatcttan ttntgacata tggaaggtaa ccaanaataa naaccatacc 600
tttttgcttg aagtgcacgg tggtaccaat ttctaaaatt agaaacattt aagccaaaan 660
atantnaacn ncantacccc ctcntngaaa naaaaaancc tcgnaccntt ttgaacttt 719

<210> 4901

<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 4901
gtcttgtcct cnnaaaccct ttgcacttcc tctttttgca ggatccctcg attcgaattc 60
ggcacgagag agggtggggt ctggccacat aggtnnctct gtggctctgg tctggggtta 120
gacactgtta gggactagca tttattggac ttgtaaagac agcacctcag aattagtaac 180
tacttgcatt ttanggtctg ttntatgaan ccaacaagtg aatgtaaaat aggctctgca 240
tcttttctga gagccctgtc actgggcagt gagcatttcc aaaattgcag ctctgtcana 300
atgaaccatg aatacttaag aaagggaaag taggaacagg gagcagagca aagcataact 360
tgctgtgttc cagggattta aaaataaatt actgtcaaga gcaatataag ggtcatgggt 420
ttgatcanga acttttgta aatgaaaaag ttcacaattn ggaaaaaaca gtgctagatg 480
tgttatggaa attgttatca caaattattc cactgaaact caagtatata anacaacaat 540
atattgctgn gaaatcttan ttntgacata tggaaggtaa ccaanaataa naaccatacc 600
tttttgcttg aagtgcacgg tggtaccaat ttctaaaatt agaaacattt aagccaaaan 660
atantnaacn ncantacccc ctcntngaaa naaaaaancc tcgnaccntt ttgaacttt 719

<210> 4902
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 4902
tcattcnnnt nctagnnctt ggtgcgganc cntcncttcg nattcggntc naggtcttca 60
ctgntggctg gttcccaagc aggantgncg agctctggtc ctntcaaaac tnaaggtcgg 120
cttgaacntg acntagactc ctaatgcctt gtttgcncna ctacngaacc ntncnataga 180
catcgnnnnn tcngatngtg acacagnctt ngncnatcnn tatacngnnn cngnctntat 240
antaaggntt ntnggantnt ggacgnacgt ngtcnagatg natagactca gactcatctg 300
atgtgatgat aagacagaan tggagngccn gacntgantt gtctgcagga tgngtctgaa 360
ncnnatgtnc ctgtgtgtga tcttaaagat gtgaatgctn tnagncnnat nnccttaatg 420
nntgnnacga gttcgacaag atttgcgatt gacttccana ctntacncnn tgntgntcct 480
gntagatggc tntaaanact tggntctccn atgtggtcat atggagaacc ccttnctgng 540
ncgancnttg ntcangcctn gnctttcnc ctggaagnag gntcccactt tnggcttgcn 600
caattngggc naatggcatt nnccctttg gggngncncc cnancttggt nggttnaacn 660
ttccntaagg gccaanaanc cntttnanct ccccttnnc ctgcccannt ctcaatccac 720
ctntnaattt cccnaagngg tttntaaaac tntnaaacct tttcnanaaa gcccctnct 779

<210> 4903
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)

<223> n = A,T,C or G

<400> 4903
tcattcnnnt nctagnnctt ggtgcgganc cntcncttcg nattcggntc naggtcttca 60
ctgntggctg gttcccaagc aggantgncg agctctggtc ctntcaaaac tnaaggtcgg 120
cttgaacntg acntagactc ctaatgcctt gtttgcncna ctacngaacc ntncnataga 180
catcgnnnnn tcngatngtg acacagnctt ngncnatcnn tatacngnnn cngnctntat 240
antaaggntt ntnggantnt ggacgnacgt ngtcnagatg natagactca gactcatctg 300
atgtgatgat aagacagaan tggagngccn gacntgantt gtctgcagga tgngtctgaa 360
ncnnatgtnc ctgtgtgtga tcttaaagat gtgaatgctn tnagncnnat nnccttaatg 420
nntgnnacga gttcgacaag atttgcgatt gacttccana ctntacncnn tgntgntcct 480
gntagatggc tntaaanact tggntctccn atgtggtcat atggagaacc ccttnctgng 540
ncgancnttg ntcangcctn gnctttтcnc ctggaagnag gntcccactt tnggcttgcn 600
caattngggc naatggcatt nnccctttg gggngncncc cnancttggt nggttnaacn 660
ttccntaagg gccaanaanc cntttnanct ccccttnnc ctgcccannt ctcaatccac 720
ctntnaattt cccnaagngg tttntaaaac tntnaaacct tttcnanaaa gcccctnct 779

<210> 4904
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 4904
tcattcnnnt nctagnnctt ggtgcgganc cntcncttcg nattcggntc naggtcttca 60
ctgntggctg gttcccaagc aggantgncg agctctggtc ctntcaaaac tnaaggtcgg 120
cttgaacntg acntagactc ctaatgcctt gtttgcncna ctacngaacc ntncnataga 180
catcgnnnnn tcngatngtg acacagnctt ngncnatcnn tatacngnnn cngnctntat 240
antaaggntt ntnggantnt ggacgnacgt ngtcnagatg natagactca gactcatctg 300
atgtgatgat aagacagaan tggagngccn gacntgantt gtctgcagga tgngtctgaa 360
ncnnatgtnc ctgtgtgtga tcttaaagat gtgaatgctn tnagncnnat nnccttaatg 420
nntgnnacga gttcgacaag atttgcgatt gacttccana ctntacncnn tgntgntcct 480
gntagatggc tntaaanact tggntctccn atgtggtcat atggagaacc ccttnctgng 540
ncgancnttg ntcangcctn gnctttтcnc ctggaagnag gntcccactt tnggcttgcn 600
caattngggc naatggcatt nnccctttg gggngncncc cnancttggt nggttnaacn 660
ttccntaagg gccaanaanc cntttnanct ccccttnnc ctgcccannt ctcaatccac 720
ctntnaattt cccnaagngg tttntaaaac tntnaaacct tttcnanaaa gcccctnct 779

<210> 4905
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(720)
<223> n = A,T,C or G

<400> 4905
ttgcnaactt aatggcttgg gganactngt tctntctcna ggntgccnng cgtttcgcaa 60
aaaggcaaag accaagacca ccaagaagcg ccctcagcgt gcaacatcca atgtgtttgc 120
catgtttgac cagtcacaga ttcaggagtt caaagaggcc ttcaacatga ttgatcagaa 180

cagagatggc ttcatcgaca aggaagattt gcatgatatg cttgcttctc tagggaagaa 240
tcccactgat gcataccttg atgccatgat gaatgaggcc ccagggccca tcaatttcac 300
catgttcctg accatgtttg gtgagaagtt aaatggcaca gatcctgaag atgtcatcag 360
aaacgccttt gcttgctttg atgaanaagc aacaggcacc attcangaag attacctnag 420
agagctgctg acaaccatgg gggatcggtt tacagatnan gaantggatg agctgacaga 480
gaannectat tgacaaaaag gggattcaat ncatcnagtt cacacgcntc ttgaaacttg 540
gagccaanac aaaattactg aaaggaactt agctaaanct ttncanttcc atggcttact 600
ctttttactt nttaaacctt ccccnccttt tanaacntnt gnattncaat taatttaana 660
attttggccn ttttttttg ggggtttntt nccancttt tnccttgnc tttggttaan 720

<210> 4906
<211> 1593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1593)
<223> n = A,T,C or G

<400> 4906
ttttttggna aaaaancccc caaantancc aagggccctt aacctttggg ttttcttttt 60
ttttnggcca ggggggaatc cccccnatnc cggnaatttt cccgggaaaa tttnccgggg 120
gccaaccgga agggaatttn ggttaagncc aaaaggtttt ccaaggccta aattggggng 180
aaatntgggg ctctttcnct catcnanggc actactncnt cgctcntaac aanannannn 240
tatntanntt tntatacctt atcanncaca annnnctcct nctacntacg tatacatntt 300
ataatnnnat ttanctatcc atnctactnc cctcantcnc ttataantac ctntcctact 360
cctacatatn gacncnctga ntnttnnctn anacnaancn ncntntnnna tntnttctct 420
attanttaaa annntccnnc tagtnctttat atantatcan tacttnntct atnaccgatc 480
acntcntaan cnttatcttt cntatntacn ctacnnatnn ccatnattat cgtctnattt 540
ancttntnat ttactacang antgntctat catnctcnna tancnacncn tctnntccat 600
actnncnatt tgacnacngn ancatngttg ttctccntat ncatgntcgt ttnatacann 660
actacattat caatnatntc nctnantatt cnaanntacg cantncncat nnctactcan 720
nnanncnnta cctactnant tctnacnatg tctntgttaa ctatattaac cgtncgnacn 780
tanacatcaa gntnacatac ntanccngan acataccaaa ncnatannta acatatcnct 840
nacttacana nngacnattc tactacatca atctacctnt ctgtaangna ccctttatga 900
tactaccaaa ancatncgnt ctacttctct cactccntac ncatacnant nttgcattng 960
cnatcncacg tannnnccta cactatagct annnttgntc tcnttttntc tcactantcn 1020
ncactntnta natanntant ctntctnann gnctctgtng tnaaactcca cgcatntaca 1080
ccgctcnnaa nctccctacc canctnnctn tatcccttcc nnnntnaann tatangtctc 1140
tatatacnct ctncanantn acatctntta ttctccncta tgtccctttc aacaaaatac 1200
acannanact nactcttctn aacatangac atactncgnn tctanantca tcnanntant 1260
cananantnc ntacnnantc ancttcttta nnanaccnnc gtatntntct tntctnnnat 1320
ctntntncnn tntctaaatt tagttncttn cctcncatgt nttancncaa nacactntca 1380
tncatgcann ttcnatacna atacntannt acatntcatn canntnnatt actnaangac 1440
atancngcca tatatactan gattgtaaca ttcatnanna ncnncngnat ntacacntta 1500
ttctctatat natatcttgn atntcacnnc ttctntcnat ctntacnann tcangttnnc 1560
ancacnatct ntctnacntc ancctccaaa ccc 1593

<210> 4907
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(749)
<223> n = A,T,C or G

<400> 4907
gnncttngaa tttaannccn ttngctactt gttctttttg caggatccca tcgattcgaa 60
ttcggcacga ggttcctgat atggcnggct atcctcacat gtcgttacat tncatcagga 120
ttggatggaa catcattcag aggtcctttc acgggcaatt ttgaggaact gattcatttg 180
gaagaaagat taggcaatgt caatcgtgga gcatcccang ggacaattga aagatgtaca 240
tatccacata aatacaaaan ggttacaact gattggttct cacagaggaa actgcactgc 300
aaacaagatg gggaagaang gactgaggaa gacncacagg aaaaatgtac tatctggtng 360
nctattttag aggaaggtga agatgtgaga cgtcttgcat gtatgcacct tttccaccaa 420
gtgtgtgttg accaatggtt gattccaata agaantgccc catatgcaca gtggacattg 480
ngcccatctg ccaagtgaaa gntgacacca tgtttnanaa ctnttgccct ccctctcatc 540
ccattacttc ctgntgctgt acttcaacnc nnagatggca tgacttacct gcgcagattt 600
ggaagcattg naacttataa tgctgnctnt gctatatggg acaacttatg cttagaccta 660
cagtttatgt atcaagtggc tttgangtnt tatnaaagct ttttttctag attgacnttt 720
tcngctcant tactggttnt tgcnnggtc 749

<210> 4908
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 4908
ttatnctgtn nnnnttttna aannatagct acttgttctt tttgcaggat cccatcgatt 60
cgaattcggc acgagccgga acaaggacca ggaggtgaac ttccaggagt atgtcacctt 120
cctgggggcc ttggctttga tctacaatga agccctcaag ggctgaaaat aaatagggaa 180
gatggagaca ccctctgggg gtcctctctg agtcaaatcc agtggtgggt aattgtacaa 240
taaatttttt ttggtcaaat ttaaaaaaaa aaaaaaagcc tctagaacta tagtgagtcg 300
tattacgtag atccagacat gataagatac attgatgagt ttggacaaac cacaactaga 360
atgcagtgaa aaaaatgctt tatttgtgaa atttgtgatg ctattgcttt atttgtaacc 420
attataagct gcaataaaca agttaacaac ccaattgcat tcattttatg tttcangttc 480
agggggaggt gtgggaggtn ttttaattcg cggncgcggc gccaatgcat tgggcccggt 540
cccacttttg ttcctttagt gagggttaat tgcgcgcttg gcgtaatcat gggcatagct 600
gtntcctgtg tgaaattggt atccgctcac aatttccnca caacatacca acccgggagc 660
cntaaagtgt aaancctggg ggtgccttaa tgaagtgagc taacctcaca ttaaattggg 720
gttgcgctca ctggnccccc ttccagncgg gaaacctttc ttgccaanct ggcatttaaa 780
gnaatnngg 789

<210> 4909
<211> 1214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1214)
<223> n = A,T,C or G

<400> 4909
gcncttcccc cttnttnaaa ccntttnaaa accettggtt aaaccccttc nnattnctna 60

tngcttggna ctacctnctn nacctnannt nnnnatncac ggntngcnnt tttcnacgtt 120
ttnncnncen cttntncact cagcaacttt ntnacnctta atntgcanct nntctnctan 180
cgggnggcen anantanatg gnataacang gntgtcnncn gactgntcct ggccntgnaa 240
atancatctn tnatggntaa ncacannttn tccanagcnn aatagnntng gngccnnctg 300
aancccaan ncctnattnn cagcacccac ctttattatt nantatgnna tcataccanc 360
tcgannncct atnggtggnt ntctngngcc antgnaatat angccgcagn catntngnnt 420
aacgntatcg ntgcaacant cnntccaact gnaacantng ctcntnnctt cgccactnnt 480
aatanttncg ntcattacca agtatnanaa ngntatcttn tncacactaa ntnagcgngc 540
ncaaagntng natnatcact cnnatcnata actnnnantn atnnnnnang gtncaanatc 600
ttttntanat cnntatattt atantcnant tntantnnna attcanntgc ttgnnancac 660
atgnanncta nnnntannтn annncnntat nctctttatn gctnttcccn tttnnantnc 720
anttagacnn tacntnncnn tnangcgcnn ntattaanca acannannnt tnnantcann 780
tncctcntnn cgattctntc gncncccntc actgccncnn ntnntcncnt nnctntnccn 840
ntnnctnnnn nngtcnnnnt ntctccttct tcagncnctg tcacgctctn atantannac 900
gtatactntc tnctnntann atactcgana cacactgntg atatannctt ntntacatct 960
atcantacgn ncnanatcat anantnntcn atanctctca cactctntca cgatngtntc 1020
atcgcaccac ttcgnnactc atagatntnn atatanntac cnngtgntan tctnntnnat 1080
cantaanaan gcangcacga cgnacatctt gctntcnnnc natntcnnct ctcnatnatn 1140
nantnacact aancacnata cncactaact atattactcn catntcancn ctactctatg 1200
actctancta ngcc 1214

<210> 4910
<211> 1192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1192)
<223> n = A,T,C or G

<400> 4910
gnnaaggggt nnncnttntc ttnntctgct ttgngtcatc gtcntcgacn gngnctcngn 60
ctgntctaga tgacctctcc gctttttttn catngaaaag ctcnanacnt gtnnctaaat 120
ataannctna agannggacn ctanaaanng ctcactatac atgctcaact aaacnnccce 180
tganctatat gcgctaggng aagcatgctc ntncactaga caattgactc tgctttagnt 240
aattccnatt ccggaaactc gcgcaacccg gtnnnctggg gacctcctat ctcntngaaa 300
cgatgaaaaa gcccaaccct tttagngtcn cncctngagg aaatnggcgc cattgggcga 360
nattcgccct ccaaagggaa aanggngggt tagacncang nccttttcac ccctngggna 420
ggngttgnaa gnggaatagg gnctcnaaat cccccnaatt tcctnngngt nnaaatgggg 480
gccacctcng taaccantcc cttgttgggg gaaaaatttn gccttnatta ncccttnact 540
nngggnaaac ctttnccgga atngttangc aaaaattttt tggcttgggg gccttttttgg 600
ggccntaagg natttcnggg ggntttancc cccaaaattn tttcgtnggg gncanattna 660
ccaagngnnn ccanttggan accccaattg gttgggccct ncccccttggg ttntnggggc 720
ttaccttana aaaatnctcn gaggggggcnt taaancccttg gtnggaacct ttttttggaa 780
aaggttttcn ccngggnntt ncccntttna aagggcgtta atancccngg ggtcttagtt 840
tnggnanaaa anccaatntt nttcnccnaa attgggtttn ggggcntttg gtatcccccc 900
gnaaattncc aattncaaaa aatttcccnt ggggnnccaa ttttnccnta ancccтttna 960
aaccggttaa aaacctnggn ggggnccnat ttnttttngg ggntnnaana atttgcccna 1020
accgttntta accttnttnc ccctttaatt cggngnttnn ccccannntt tttgtnngcc 1080
cctaaacgng cntaaccagg ggacctтttt nggggaaanc ctttntccat ganaaccctt 1140
tccttaaaaa aaggnggtgn cnaccntggg aggaancatt nnttggggaa tn 1192

<210> 4911
<211> 1006
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1006)
<223> n = A,T,C or G

<400> 4911
gcncannccg annnccncan ccannccnnn ncnacncccn aaacgnnana agccgacgcc 60
acangncccc gcgancgccc aggctgaanc ttgcnttcaa aagctggaan cgacacgctn 120
nagnncnagc nacngcncgn gncacgaggc ccatgtncag nctccaagac cnncangaca 180
ccgcccaatg ggaagccccc gnggncngga ggcgcacagg aagaagggga tnggggcagg 240
aanaagccca nggcccaagg aagaccggag gacccanaag gncaggaaga gacacncacg 300
cnccgncnca cannnncgcn acaaganacn ancanggga gcgacnagcn aacanncaca 360
gnangagaag ngancaccat gngcgacgna nncacacgca ccnagcgngc nagaatggac 420
ncanagacca canngtgaga annaagccnn agacganaag aacncangng ccgcangcnc 480
ccngagaggn nccccccccgg canaacatgn cancnactac accngncnna cnaaggggac 540
tcaggngata ngaaggcncn acancgccng naggnaaaac nngcacacnc nggaaacnnn 600
gaaccntgna angnnnncnc aaaaaaaccn cangggnaga aaagagcaaa gngcgngcac 660
gcaggggnnn cgnaannana aaacccnngc aggngaaaac cacngggcta naaccaggnc 720
ncaagngnac ggaanaacaa cgagcnaaag nnacactaan gaaagnngng cgcaacngna 780
aaggggnaac nanccncang ncncacgcan gggaaacnan cgnnnaccga naaaaggggc 840
aanngagncn ccnnggggaa aaggcaccaa naagctataa cccgagagca gagnnnanng 900
ccccncgcca gagaaanccc agagnaanna ngacgnaann aancntcnaa naaacagcgc 960
ncaaaangcg tggnacannn caaacancna acnccngnna ancccc 1006

<210> 4912
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 4912
tnaatatcag ctcttgttct ttttgcagga tccctcgatt cgcangaggg tgttcgactg 60
ctngagccna gcgaancgat gcctaaatca anggaacttg nttcttcaag ctcttctggc 120
ngngattctg acagtgaggt tgacananag ntaancagga aaaacaagtn gctccagaaa 180
ancctgtaca gaaacataag acaggtgana cttcgagagc cctgtcatct tctaaacaga 240
gcagcatcng cagagatnat nacatgtntc atattgggaa aatgaggcac gttantgttc 300
gcnattttaa aggcaaagtg ctaattgata ttanagaata ttgnatggat cctgaaggtg 360
aaatgaaacc aggaagaaaa ggtatttctt taaatccana acantggagc cagctgaang 420
aacagattct gacattgatg atgcagtaag aaactgtgaa attcgagcca tataaataaa 480
acctgtactg tctagttgnt ntaatctgtc tttttacatt ggcttttgtt nnctnaatgt 540
tctccangct attgtatgtt tggattgcag angaatttgn angatgaata cttnnttta 600
atgngcatta ttaaaaatat tgagtgaagc tnatngtcaa ctttattaag gattactttg 660
ctgccaccac ctagtgtcaa ataaaatcaa gtaatacaat cttaataaac ntttaaacta 720
taaaaactcg acccttagac ctatantnag tcggttn 757

<210> 4913
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 4913
gtnactaatg gctgggctac tcgttctttc cgcaggagcc cancgattcg tcnagtgntc 60
gnggnttgtn antntnngcc nnggcantna ttnattgncn ntngatgatt gatatcaaca 120
nttgaggtaa aaatatncat gaggtctaaa tataacatgt aaatgcaatn tcatacttta 180
tttncattgg caagataaca ttgantaccn atactgnggt atttgacaaa caagcttgat 240
gcatcgtgat ntcnncntta tttccctttt ccttgnttta aaaagatgca ctgcgttgtn 300
atncncnggn natatganta ctatgngcac naaaacnana anntcngatc attcgantag 360
aggganaatc nganctncan tcncattcgt tctnattcng nngnanggat ctngtaggtc 420
ctccnttctn agatgtggnt ttaggccagc agcntaggca tccctgagac tccttataaa 480
tgcataaatc tcaggcncag cccagatnac ttggagcata atntgcagtt tgcaagatcc 540
ccaggcaatt catgtgcatg tgaaatnngg acaagcacct ttntgggcga tgcaaagcca 600
ctcatnctcg cgtgcctatn acggtttnca aacacatcgg atcccatctc aggagcctga 660
cccgtgtnta nctanattaa ncttcactgn tgatcttnat gatgcatatn a 711

<210> 4914
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 4914
agagnnnnnn nnnttgtcgn ntactnaatg gcttgggttg gttgttcttt ntgcaggnag 60
cccagcgatt cgccgggtct agccaacatg tgactacaac tgcatgaaag accttaaatg 120
agacctactc agccaaactc ttcctaagtc ctgtccaaac aaaaccatga aggataagaa 180
atggttatta ttattttaag ctaccacctt ttggtgtgat tattatatgc aataataggt 240
agcagacact ggctttggtt ggacatgtat gttctctgca tattctgctt ttgtgcatgt 300
ggagaaatgg gctttctggg ctgctgacaa tgaggaggta gagatgttgt tcaggcagat 360
gcgtttagac ttcgagtcca ctttctcctt ccaagaacta tgtggcctta caaatgctgg 420
ggttggttta agaaaacaga actcttaatg tttgtaaaca ttcctgtacg agagttcatc 480
catcatttgn gtctctctag aaaggtcata cgcagaaaat gtagtggtgt agcaaaattt 540
taaacttttc agactggcaa aacccttttct ttaatgtata gtattactac tcatgtccat 600
tatgaaccat gacccaggga gactctgctg anacaggctg catctnctcc accttatcct 660
nctaagacan gcttctacct aaggggacat agaatttacc cctgtttgtn gggtggtgtg 720
gattcttncc aactgnctta atccactgg 749

<210> 4915
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

<400> 4915
atccctcnnt tntcaantca tattcctcac aagcannctn tanaatntct nancactttg 60

ttctntcncg cnaaggnnga cgcgatntga ggactttggt gnnnntgann acttggctga 120
ttcacatgcc anggcctngn angaagcagg agaaaggana nnggngacng acttaaacgt 180
gtncaatacc atccttacca ccngaagcta tccanagctt ctcagagngt tgcagaanta 240
caccaantac acnaancatg acatgaacaa agntctngac ctngagnaga aaggtnacat 300
tgctaagtgc cttnacagct ctcgtgaacn gcgccacagg cgaaccagct ttctttgcag 360
agaagctcta tcangccatg aaaggtgntg gaactcncca tanggcattg atcacgatta 420
tggntncccg ttctnaaatn nacatnaatg atntcanagc attctatcag aagatgtatg 480
ggntctncnt ttgccaaacc atcctgnatg aaaccngang agattattga agaaaatcct 540
gn 542

<210> 4916
<211> 1285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1285)
<223> n = A,T,C or G

<400> 4916
gaaagnacna aagncagctt gacagggatt tnaangnntn ggaacncnnn ttctcnaagc 60
ngnntggtcn ngatnantta tanatatgtc ttcncatatn angaacnaaa ntatntntgg 120
gnngggnttc tnctngagng atttctgtna ctcntgantt nntaatgcnt nananntgtn 180
ancgantnng gtnaattgnn cctancagca ncatgtancc ntaaaaacgc atncnatatn 240
tcttancncn nagnggtncn ncgcnattat ctaatgnctt cttnaactga nntntaangg 300
nctntgtant ncgngaanct ttaagtnnat tcacgncnta tattctaant catgttccaa 360
nnnncctatc ctgcanaatt acnctgcnnn tgatccntgg catcnnggaa gntcantncn 420
gnncaattat tcatnatatt gtggcattnn tctnatttna tactancgnc ntccncntan 480
atatatanaa gncngcaanc tctgtngaan nncttcnaat ntgacnnacc cgtntattat 540
atgcatnaac ccntatcctn atcnanctct agtgtggctc ttaggcaccn annatttatg 600
ggnaccctgt gntcaaattn ggntctccgt nanctnacng ctctcnattt aangntnang 660
nctaacntaa ccntctttgc tgggtacaat anggcgnacn ctccnctnnn nacatttttg 720
nnanaaagnc tacntgggnt cactatntna nanctacncc ttttatcggt acntngcgta 780
atnattgncc atatgtgata cgngnccaac aaaatgtcac tntatataan tntggntcnn 840
acntcnncgt tanncnncct atntaacntt cannttttac atananncnt aaaacntntt 900
gngcaaacaa ccaatnggng atcttnnnga aaaattanca tnggtttttn ggctacttnn 960
ctatntcatt naattaccgn nntatctcna ncntanntaa ctacnnttttt nanaaaggng 1020
tcaatgggtg tcatctctca gngacaccct cnnctatata ncatnctnta tntagtataa 1080
tctcanaaaa cnctccctct naaancttnt gggnacntna anaanacgtg actntcannt 1140
cgaancctg nnnttnttaa tnnggatant aggggngtac naaaaaaann ngtgtttata 1200
aacncancnn ttnaannnnt tctctatatg ngcaatttcn acggtattnc tnncnngtcc 1260
ccatatatac tanatcacan tatnn 1285

<210> 4917
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 4917
gnncnctnnt tncngccttt ngaancccnn agttccaaat gctggttnag atcagctctt 60

gttctttttg caggaccctc gtcanaattc cnacagggag anttcggnna ntntttannn 120
ngagacngag tctggctcnn tngccagccn gaggcgggan aancncctga acctgagang 180
tggacncngc gctgagccga natcnttaca ctgcactcca gcctgtcnac agantgagac 240
nntntctcaa agnatgtata atnctnacaa nnnctccacn ngancaaann nnnangannc 300
cggannacgg agnctcctnc cctnaangan ccntggaaga atggagncac ccagnngctc 360
natttntggg nntnnncact tnngccgtna aatggatgan caagggctca ancagtnccc 420
tncataatct gcccctnacc cntncaaann aacatntnnn gccantctnn cttcanaaac 480
nggaaggagc cccnnatgac atnccagtcn nagcccccan cgaggaacna ggccnntgnc 540
ccnanntgag tgcnagnana agggcnccct gccanagccc ctgccggnnt tcntncaana 600
anggaaagaa nangaagcaa ccntggaaac tcgctctgcc aangagcncc nngacaangg 660
ttnaaccggg nggcccnnnt ctgagcttng ccgccntttt ctgngggncn nccccaagaa 720
gtgtttacac cccttaatcc ccnctttanc nctngatttn ngggggnccc naacccggat 780
nn 782

<210> 4918
<211> 812
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(812)
<223> n = A,T,C or G

<400> 4918
gnnnnnnnnt ttnnngctnt tgaaaacccc tttgtttcaa agaccnagtt cttgttcttt 60
ttgcagggat cccatcgatt cgaattcggc acgaggtcac aggtaaaaaa aangtgcgtn 120
ataagtnttg ttatcggtgg actttataaa agcaaangaa attgangtaa cttttgattc 180
tggtntcaag attcatnttt ncatacaggt cataactgnc ttnntgnaac cctttcacag 240
ggcactgnnn gatgggatta aaggtggcaa ttactggata actgcacatg cctctacttn 300
gttctaaant ctangtcatg aggtgatttg atttacttta tagangctgg attttgaaga 360
tctaatgnna aatgttatga tnatatcagt gngtncaaaa aaagcaccag caactgataa 420
aaatcgcntn tttgtgcgct acccaactgg ttaaagccaa tgtgatcttt tatggngaaa 480
ctcctaagan acangtggtt ttgctgnaaa cttgncanac ccttaattat agncggtgct 540
aatgagccta ctgcaatata aagccaccat tnttttttat caaacatctg aattcatttt 600
acaaaggcta ttgttagggc attattttga gcatctattt tgaggtgatg ttnanaaaac 660
tttaacntca aatcaaattg aaaattaatn taaatatatt gncttaagga ccttctaaag 720
aatgtgccac cagactttaa tggatagttg cnannatcct tgnctaanaa caaaaaagtt 780
gcttaaacat ttcttttaca aganggnttt tt 812

<210> 4919
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 4919
ttctaatgcn aggttctagt nctgttgaan ncccngctat tngattcggc acgaggncct 60
ggctactggg gaggctgatg cccganaanc atgttggccc aggagtnaag gctgcagtga 120
gctttgnttg cacngntgcn annncatnct ggccngccca nngngncccn gccacaccan 180
aaattatgtn ctnagtntan nngcntcnga aggcctantc tcgnaccaga gttnctctta 240
ctggattatt tttagattgt tattaacatt nctggtctnt ancttactc agtctggatn 300

agaaaaagaa taccatgcaa ttgttaacta ttngatgttt actagattaa ctattaatat 360
attgttgtgg tccatattta agagttactt tgttnctaga gatttcatta tagtggngnt 420
taatatannt ttgggtattt ttaactaaaa atcattgcta tccttcaact gtagattcta 480
ctatgaaatg aggaaaaatc agcaatagaa ttaattgggt tcaaagtata taaataatga 540
tgtgggaaag ggaagtcnga gggtatctct ggaagaactg atttatctga aggtaatact 600
gngtgaaaga acctaagatt gtngacanag catgcttnat gcaattntgc tggtccatag 660
tagtantaga ggctctataa aatgtgttgg ggtgtttttg nctttttaang agacnagtgt 720
ctcgctntat tggcccagga gtttcaaacc tgnagtgccc cngtggnttn ncacctgtga- 780
nt 782

<210> 4920
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 4920
agggnnccnn tgttctctcc tnaactcnnn nntgncagcc ttnntcgcct accagaaggg 60
gtngggccgc gctgacggcc cagntggcgn tttntctcca ttgtgtatat gtacatagnn 120
tnnatcacta gattgnacnc tcctcanggg cacgaaccgc aacatntatg cngtgcctgc 180
ancncctaat gtgaanngcc tggcacactg gtagcgtgca tcatgacccn tngaatgngn 240
gagtaacnac ctgccnnanc acgatgnnat gcngttcacn tcccctgtgn acnncncngc 300
gnngcaantc ctgccatang agggcgnagt tccaacncgn gggnnnactg gcncanctgg 360
gttgnaccat atcatcccac atccnnacca ctngctaacc cannntcact gnagattacc 420
tgtcagagac ctgcgttcgc tatctaatat tcgngctgag gntcctagga anatctggaa 480
ntggggaaga ttatggagaa aatgaaaang gaaattcggg gagggnggtt ngcagtataa 540
agccctgtgg gggaaaacat attttagctc ttacttggta aaaagggtna ncagaacctc 600
tggtttcttt accaangtcc nctggntngg nccatttctt ccaattggat gaacnacccc 660
tttgggtttt tannctcctt tnctcaattt tggggaattc cccnntcnaa tnggctttac 720
natngaantc tgggnanctt naanangtcc taaatanaan ttncctgggg naatntggta 780
c 781

<210> 4921
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

<400> 4921
cacgagggct gccagaaact cattgaagng gacgatgaac gcaaacttcg tactttctat 60
gagaagcgta tggccacaga agtngctgct gacgctctgg gtgaagaatg gaagggttat 120
gtggtccgaa tcagtggtgg gaacgacaaa caaggtttcc ccatgaagca gggtgtntng 180
acccatggcc gtgtccgcct gntactgagt aangggcatt cctgttacag accaaggana 240
actggagaaa gaaagagaaa atcagntcgt ggttgcattg tggatgcaaa tctgancgtt 300
ntcaacttgg ntattgtaaa aaaaggagag aaggatattc ctggactgac tgatactaca 360
gtgcctnnnc gcctgggccc caaaagagct agcagaatcc gcaaactttt caatntctct 420
aangaagatg atgtccgnca agtatgttgt aagaaagccc ttnataaaga angtaagaaa 480
cctatgacca taagccncaa nattcagccg tnttgntact tncacgtgtc ctgcatcaca 540

aaccngcggc gtatttgctc tagaaagaag cancgttccc tngaaaaaan tnnnggaaga 600
aggcntggan gaatattgct anaacttntt nggctaagag naatngaaan gatgcctaaa 660
nggaanaagc nccaaggaan caaaattggt naaagnagac nncnnacntt ttcctnttgt 720
ngcnaagcnn 730

<210> 4922
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(675)
<223> n = A,T,C or G

<400> 4922
gngnngnnnn nnnnnnngnn agnnnnnnnn ngnnagnttn nnagngnnnt ttntnataca 60
gctcttgttc tttttgcagg acccatcgat tcgaattcgg cacgaggcnc tcctgacnac 120
ngccaagcac tntnncggnt tccgngtnnt cnnttgcagn tatngnaaan tnnnncattc 180
gtnnnnactg gnnatangnn tntatgaata cnanatgtng gacttcatna tgntcacacc 240
natagcatcn tatganagaa ttagnngncn caganttttac nacanagtan atgtccnnng 300
tcatgnacgc agatatacac aattctnaaa agtttacctn attcagntgc acgacttgga 360
tnaatggact ggcnataagg attacatagt nangactgtc acaattntna nagccgntca 420
nacctnccag ttcatggaga ctgatntgcn canagaagca ctgngcttgc ancggggtcn 480
atgtgcgtct gatatntgac cagnaacgnn caatagcttg gtattaaaac cncngcaatg 540
tnngnntgat tatgacacta cnaatgttgt nnacacttgt acgctacaca tnnnctacct 600
tacnaatatn tacttgtatt gntagagggc tntccanaga aatnntnnta tataccgaat 660
gcaacacctg ctacg 675

<210> 4923
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(675)
<223> n = A,T,C or G

<400> 4923
gngnngnnnn nnnnnnngnn agnnnnnnnn ngnnagnttn nnagngnnnt ttntnataca 60
gctcttgttc tttttgcagg acccatcgat tcgaattcgg cacgaggcnc tcctgacnac 120
ngccaagcac tntnncggnt tccgngtnnt cnnttgcagn tatngnaaan tnnnncattc 180
gtnnnnactg gnnatangnn tntatgaata cnanatgtng gacttcatna tgntcacacc 240
natagcatcn tatganagaa ttagnngncn caganttttac nacanagtan atgtccnnng 300
tcatgnacgc agatatacac aattctnaaa agtttacctn attcagntgc acgacttgga 360
tnaatggact ggcnataagg attacatagt nangactgtc acaattntna nagccgntca 420
nacctnccag ttcatggaga ctgatntgcn canagaagca ctgngcttgc ancggggtcn 480
atgtgcgtct gatatntgac cagnaacgnn caatagcttg gtattaaaac cncngcaatg 540
tnngnntgat tatgacacta cnaatgttgt nnacacttgt acgctacaca tnnnctacct 600
tacnaatatn tacttgtatt gntagagggc tntccanaga aatnntnnta tataccgaat 660
gcaacacctg ctacg 675

<210> 4924
<211> 750
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 4924
cgggnnnnnt ncntttcntc ctaangaaac ncttntgant ggcntggcta cttgttcttt 60
ttgcaggcac ccatcgattc gattcaaggc ctctcgagcc tctttaacta tagtgagtcg 120
tattacgtag atccagacat gataagatac attgatgagt ttggacaaac cacaactaga 180
atgcagtgaa aaaaatgctt tatttgtgaa atttgtgatg ctattgcttt atttgtaacc 240
attataagct gcaataaaca agttaacaac aacaattgca ttcattttat gtttcaggtt 300
cagggggagg tgtgggaggt tttttaattc gcggccgcgg cgccaatgca ttgggcccgg 360
tacccagctt ttgttccctt tagtgagggt taattgcgcg cttggcgtaa tcatggtcat 420
agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggga 480
gcataaagtg taaagcctgg ggtgcctaat gagtgagcta actcacatta attgcgttgc 540
gctcactgcc cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcggcc 600
aacgcgcggg gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgac 660
tcgctgcgct cggtcgttcg gctgcgcgag cggtatcagc tcactcaaan gcggtaatac 720
ggntatncac agatcanggg gataacgcag 750

<210> 4925
<211> 1302
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1302)
<223> n = A,T,C or G

<400> 4925
gnccggcgcc agtgcngtac ccanagcaga acgacccgta aaacccccttg ggaangnccg 60
ggacgggncn cnngngccgn nccncacncg cncncnnnac accccntttt ncccccattt 120
tancaccann atngncnnan cangggggng nannacngng naaaacccng gngagnnccc 180
nnccgcnggg ganncanang ngcngnnaag naaccnggng cnncaancan ccngngcgng 240
cccacanaca cnggccanaa gananacgca agcgnacgcg gncgaagncg ggngnacagn 300
aanaaacnnn cngcacngcg naaaangccg cncaacanna gcnaagggng aacgngacac 360
ngccngancn cncgncggan ncacngannn ncgcannanc gcacangagc gganaccacc 420
cagcnngcca naangcggca canacgncnc ggggnnnncn anccgngncc canangnnna 480
gacncnggna cacccnncca ccccnangcc naganncan aannccnagn nacccnagac 540
annacnnnnn gannnccnnn cnanccgagg nacannncng nanngnngac ccnnnnctnn 600
nnngccnana nanncccnnac ancnccccca nccncccgag ngaaacncnn naangaccan 660
cncaanacga cnccncgaca nnacacnngn gcccancnaa nncaacacna agnnnaccan 720
acngcncnnc gnacnaaacn ncacgcncgc ggagcccgaa ccaacgcacg acacgcgacg 780
accgancanc aagaangnga ccncacacgn agcgnccnnn cgcgcgnanc gccggacnca 840
nngacanncc gaanaganc gcggnangng cacgaancaa cggccanng nnganngagg 900
agcnacaacc ncnacggang cgangccgna nagangacgg accaagacnn gaanaccgnc 960
gaggccnaac aaacggncga cgcccgcgga ancncacnan cncngnnggn cannnngac 1020
ccngananca cacancgcnc accacangnn ngnggaacac gacaangcca cgnacanaac 1080
gacgaagcan gaacanagnn gncgcaanng nnancnagnn nggaanacac acncgaaccg 1140
aacacanacg aagnaanacc aagagcanna gnagaagcnn acacagacac naaacngnaa 1200
ccggcccnna gnancccanc gcncnngcan cagngcacaa naanncggan ncccacgcca 1260
aaacngcnac agnncgcaac gnangncncn acgccanacg cc 1302

<210> 4926
<211> 818
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(818)
<223> n = A,T,C or G

<400> 4926
tgnnggnnta gatcagctct tntctttntg caggatccct cgattcgaat tcggcacgag 60
gctatttgtg ttttgttgca ctgttntttt tgtttgtttg tttgtttatt tggttggctt 120
tttggagagg gaaatggggg tgaaatattn ctttattgnt gaatcatttt gtgaatgtcc 180
ccctcaaaaa aagctaatgg aatatttggc ataaagggca ttngntggtt ctatttttgt 240
ttgaggggna ttntcagaaa atccctttc tctcttacgc ctaactgact ngggaaccat 300
tgangatntn cntagcnttg gaatacttga cattatntac tctnacnaat aacacattaa 360
gcnagaatna ccaatnttcc nanaatnngc ncttgatcac aaaatgtgan nnacctntna 420
atgtntanaa ctttatcaaa ttnagtnnta ttttcccctt cnaaatgtcn ccctttcccn 480
ggcatttnct tccnttaaaa tattggtnan ttccctgaca taccnatttc catngttcaa 540
cagctttgtn nccnnagnta taanaanttt ttgnancccc ggananattt tcaatnncgc 600
cnatnangta nccnttcnan cantgttngn gnaaaacccc cntngcaagc ccntaaaaan 660
gttaagcctt anttgncttt aattncnctt tnnnngcntn actaannccn catnttcnna 720
nttccttnaa aaatcntntt nggagcccnn cccttntnnt taccttttgna ntnnnnccca 780
aacttcanng nntatccaat nctgntttnn ccnaaacn 818

<210> 4927
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 4927
atcagntctt gttctttttg caggatccca tcgattcgaa ttcggcacga gggtgactgt 60
ggagggcgag ctgagccctg gccgccgtca caatgggccg ngagtttggg aatctgacgc 120
ggatgcggca tgtgatcagc tacagcttgt caccgtcgag cagcgcgcct atnccacgtn 180
ttcactaaag gaatccccaa tgttctgcgc cgcattcggg agtctttctt tcgcgtggtg 240
ccgcagtttg tagtgtttta tcttatctac acatggggga ctgaagagtt cnagagatcc 300
aagaggaaga atncagctgc ctatgaaaat gacaaatgag caacgcatcc gnatgacggt 360
tccctgtctc tgaaagacct ttctctggaa gaggagtctg cattgtntgt ctcaaagaca 420
caataaactt cctatggtct gcanaacaca nnatntntta aaaatttaaa aattanctgg 480
gcatggtggc aggtgcctgt attccactac tcangangct nangccgaaa tcnntagaac 540
ccnggacgtt gaagtttcag tnagctgant cnttccactg gacttnaanc tgancnnnng 600
antgtnactc catcccaaat tnnaaanang tgggantatt acttntcntg aaacntgcgc 660
ctntangcca attcttaann nnttangtgg naagaacatt tancccagna tttnaggttn 720
nntnacnatg ctgngggggn nn 742

<210> 4928
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 4928
aaccgggtgg gccccttttt tgaaaggntt tttttanccc ttngttnncn cnnnctaaat 60
anngnggntn catcgcntcg ctanngccng ntntgggang cnatgntata cttggctacc 120
ttcctatgnt ccttctcaca gcaaaactnn gggactgatc atttgaagtc acccctctgt 180
gtcttcttgt gaaatggctt gggcgtctct gggctctgac ttgctcatct gggaagagat 240
ggggtanagg gagttggatt ataaatcatg cttcactcag tcaacagaat gctactcagg 300
cactaaaaat gatggcgtag ccctacgtat tctgacatgg gaagatggcc acaatatctt 360
attatgtgga aaaaactagt tgcataggat ttatggnttg attacatttt agtaaaataa 420
attcatttat ggtggtatat gcaaagaaaa aataatgccg ggcgcantgg ctcacgcctg 480
taatcccagc actttgggag gctgangcag gtggatcact tgaggccagg aggttgagac 540
cagcctggcc aacatggtaa aaccccattt ccattaanaa tacaaaaaat tagcaccaag 600
cgttggtggg cacngtgcct gtagtcccag cttactcagg aggctgagat gggagacttg 660
cttgaacctg gaaaggtgga ngttgcggtg gagcccaaga tcacgccact gcacttcggc 720
ctngggctac agnccagact ctgtcntcaa aaaaaaaann 760

<210> 4929
<211> 887
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(887)
<223> n = A,T,C or G

<400> 4929
gngnaggnan natttnnaga nagcnnnngn aangtttggg gtnaagagnc attnaaacnc 60
ttggcnncag gnatcccaan gtngcnaatt nggcacgagg ttgtnttgga aacagtcgtg 120
nggangaatt gcgagagaac ctaaacggga tctnctgtgg nttgctctgg atganatnga 180
nttggctaan ggtagaggaa catttccctg ggatatttnn gcccttgata ttcatcaaga 240
tntanactgg aatnctaacg cncctaccct gaatgtctgg cctntgnata tctgtgatga 300
tngtgcggac atatttcanc gggatanaac agncgaatta atggaattga cagatgagca 360
aagaaatgaa ctgatgaaaa aagaaagcag tcgactccag aagactggac atcgtgtanc 420
atactcacct cgtaaagaga aagcactaaa aatatatctg gatggagcac caantaanga 480
tcctgctcaa gactgactct gatagttgta gcanttttcc cttgggggga agttnnnngt 540
ttttnaanaa ggatgggttc cactacccac ttggggaang ttgcccattt tcnnnccggn 600
accaatgngn nngnggggtn aacccncagg ngaacnaacc antcgccttg gaatgggnna 660
cctngnnncc ttancaancc tcttcnagaa agggcnttcn agtgggcccc caaanagggg 720
ncccanntgg gtcccatnga acttggggaa atccannggn tttganncca cccaatnagn 780
gncaanaaat ggtcccnggg aaaaatntgg tcaataaggg ggattgaggc cntanatcaa 840
ntttncctng gcnncccaac cntaaaaaaa ggcttnnccg ngatccc 887

<210> 4930
<211> 804
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(804)
<223> n = A,T,C or G

<400> 4930
tcnccccent ttgaannccc tttntttaat nnncatanag ctacttgttc tttttgcagg 60
gatcccatcg attcgaattc ggcacgaggc tccctatgat gcctgctgga atgcctgtcg 120
aggagacagg tgggaagact tgtccagatc acaggtgcgc tgctatgtcc acatcatgaa 180
agaggggctc tgctctcgag tgagcacact gggactctac atggaagcaa acagacaggt 240
gcccaaattg ctgtctgctc tctgtccaga agaaccacca gtccattcgt cagcccagat 300
tgcagcaaac acctggttgg agttgacagc ctcattgggc cagagacaca gattggagag 360
aagtcatcca ttaagcgctc agtcattggc tcatcctgtc tcataaaaga tagagtgact 420
attaccaatt gccttctcat gaactcagtc actgtggagg aaggaagcaa tatccaaggc 480
agtgtcatct gcaacaatgc tgtgatcgag aagggtgcag acatcaagga ctgcttgatt 540
ggaaagtggc cagaggattg aagccaaagc taaacgagtg aatgaggtga tcgtggggaa 600
tgaccanctc atggagatct gagttctgag caagtcagac tccttncttt tggcctncaa 660
agccacagat gttgggccgg cccacctgtt taactctgta tttatttncc aataaagaag 720
gctttcaaan gcatgcttgg anacttgtgg agcagtccaa acttcatgtc aggtgggctt 780
ccagtgtaca caaaaaaaaa aaaa 804

<210> 4931
<211> 887
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(887)
<223> n = A,T,C or G

<400> 4931
gngnaggnan natttnnaga nagcnnnngn aangtttggg gtnaagagnc attnaaacnc 60
ttggcnncag gnatcccaan gtngcnaatt nggcacgagg ttgtnttgga aacagtcgtg 120
nggangaatt gcgagagaac ctaaacggga tctnctgtgg nttgctctgg atganatnga 180
nttggctaan ggtagaggaa catttccctg ggatatttnn gcccttgata ttcatcaaga 240
tntanactgg aatnctaacg cncctaccct gaatgtctgg cctntgnata tctgtgatga 300
tngtgcggac atatttcanc gggatanaac agncgaatta atggaattga cagatgagca 360
aagaaatgaa ctgatgaaaa aagaaagcag tcgactccag aagactggac atcgtgtanc 420
atactcacct cgtaaagaga aagcactaaa aatatatctg gatggagcac caantaanga 480
tcctgctcaa gactgactct gatagttgta gcanttttcc cttgggggga agttnnnngt 540
ttttnaanaa ggatgggttc cactacccac ttggggaang ttgcccattt tcnnnccggn 600
accaatgngn nngnggggtn aacccncagg ngaacnaacc antcgccttg gaatgggnna 660
cctngnnncc ttancaancc tcttcnagaa agggcnttcn agtgggcccc caaanagggg 720
ncccanntgg gtcccatnga acttggggaa atccannggn tttganncca cccaatnagn 780
gncaanaaat ggtcccnggg aaaaatntgg tcaataaggg ggattgaggc cntanatcaa 840
ntttncctng gcnncccaac cntaaaaaaa ggcttnnccg ngatccc 887

<210> 4932
<211> 807
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(807)
<223> n = A,T,C or G

<400> 4932
nnnnnnnann nnnnnngnnn nnnnannnnn nnnnnnnnnn nnnccnnnna nnnnnnanna 60
gttgaacgca ngaaagccgt ggnaaggcgg gaaccaaccg aancgnggaa nggcnataac 120

aannagngga tgtgnccagn nctctgnatc tnngacttng atgctanata catcatgnca 180
tnngnngctn ctaagggaat aagccataga ggctncncca ggtagaaaag aacagtaaag 240
nacctggaaa accaacattn nngaatgnat ggacactgga catgagatat gnacaatgaa 300
ancttaaaag aatctaagaa tnngccctct ttgccccact ccacccagna atnagacatt 360
actagngcca tgtataggac ccaactgagt attagaatca gnnnngacta tgncnnngna 420
tngcctaaat ctgttaatgc ataaaccgaa tnagggtcca gnnggcctgt naatggtaaa 480
nntacatnan aaatgactca gcnngagnat ncngggcgag tnngcaatgn gataatcaga 540
tngggnaaaa ctgatnaatn ngcaaactng agngggngna cncacagacn aaagnangaa 600
ccacagnnaa ctaggggggac caggnggnaa gnggaaaaca cncacaagng annnnggnnn 660
ngggnaaggg ngggnngaan gganggaaaa ngngnnnnag gagggaagca aaacnnaaan 720
gggncnggaa ccaaagccng nncgnaaagn aaaannnngg gcnggaagaa gggggnggna 780
accgcaaacc anngccnagg gggnnnc 807

<210> 4933
<211> 925
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(925)
<223> n = A,T,C or G

<400> 4933
cgngctttaa ctnttnaaac cctttgcact tncnctttnt gcaggatccc atccgantcg 60
aattcngcac gagagagggt ggggtctggc cacataggtt tttntgnggc tctggnctgg 120
ggntagacac tgacagggac tagnattnat tggacttgcn aagacagtcc ctcanattna 180
gcaactnctt gcntnntatg gtnngcatta tgaagccanc ntagngnnng taaantanag 240
ccctncatct ntnctgngna gccccntcac tgggctngat gtcatcatcc aaaatctgca 300
nantctgnca caangancca tgantactta annaaaggga anntctngaa cnggntagca 360
agatcnaanc atancttgct gngctnccan ggnacncnan cctnanncnc tgncnannng 420
cnatatanac ggtcangggg ctttgatcca ngaactctnn tgtactatga tnanannnca 480
caantntgnn aaacctncat gtancctnna nagttgnnnn tgngcanaat cgtnctcacc 540
aanantnntc ccnccganna actctaactt ntnattnann nctaccngtn antnttnnaa 600
tgtnnacaac nnctnnannn ccntccnnat tctaaggaaa angnntctac ccctantana 660
tagnntcagc atccactana cnnctntgct ngcctccgat cccactngcn cgcnctntgt 720
ntnnngactg ccccccctngn ncttnctctn gananattct tnggatacta cccaaatatt 780
ntgggnnanc tactgcacat ctnntcannt nnnncgcatn tcatnatnta tantcancnn 840
nncnaatncn cnngctnctn cttacnaana ntncncantc gcggcggggc gnncncatan 900
tannncngnn ncannnaaag nngcg 925

<210> 4934
<211> 1025
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1025)
<223> n = A,T,C or G

<400> 4934
gttntcattn actttcntaa tnnnntggga ntctctgaan gacncnatng antngnnttc 60
ggcacgagta ctgctccttc attcccaagt aagaaangnc aggntctgct acttccaaaa 120
ctcagncacg acttgaaggt gaantgactc ctaattcctt gtcaaccagc tacaagacag 180
tgacatctgn cattaagctc tccaaacata aagctgaatc tnactagccc taaaaggggt 240

cagaatagat aagaaaggtg ganagaagtt gtncnaaggn catagaaatn gtctgntcca 300
gcctcantgg tgtcnaggat aatggcgang aggaggatgc ancattcact tgcaatacca 360
ngatgtttac tggancccat anttnatgtn ggattnanac naataangat aangaaatgg 420
gcnaangaag aattggatnc ancaattana gggggtcggn ncaatgnaan tcatacnang 480
cantattgct aattttcaaa cnttaattnc aaatgcaaca ttcatntnct aggatncctg 540
gntttnnngt aaacttnggt aanaaacttt nggattttcc tnaanannan ttcaatnntt 600
catnatanca tcccnttngn acnaggntac tcctaanaat ncnaatttnn attgcnctaa 660
accnttntnc tcaantctng gggannntaa tgggnntcnc cntatantag tnatntgaat 720
ttttctaaga tcacanaaaa aaatgggcca tttgtctcac atntatatgg nggatggcct 780
ctccntaaaa cntccttnnt ggggtanaat acctttttnnc ncacaangng cttacatcnc 840
taantcntct nttgttatat actnatacac agtatttnct ctaananctn nccgngnttc 900
taacattntc naaannnctc tttaaaaatt ctntgnanaa aattcgtngn ctcncnntat 960
catcncnant tnataatnct ngtantnatt ctnttcannn acaaaatacg cctcncgntn 1020
gntcc 1025

<210> 4935
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 4935
antgangnnn ntttcnnaga gncagctctt gttctttttg cagggatccc atcgattcgc 60
tgaaatgact tccttaggga tagagctaag ggataataac ttgcactaaa tacatttaaa 120
tacttgattc catgagtcag tttattgtag tttttgattt ctgtaaaata agagaaactt 180
ttgtatttat tattgaataa gtgaatgaag ctatttttaa ataaagttag aagaaagcca 240
agctgctgct gttacctgca gaactaacaa accctgttac tttgtacaga tatgtaaata 300
ttttgagaaa aaatacagta taaaaatagt tattgaccaa atgctaccag gctctgcagc 360
agctcggggg cttataaaat gttcataggg atgttacaat ataatttttgt gttataaaat 420
atgccattat aattatgtaa taaccaaaat ttcaacctag agtgttgggg gtttttttgga 480
aaccgcagtc tattagtact caatggtttt atacacctta cttctgacag agcggggcgt 540
atgctacgac tacaactttt atagctgttt tggtaattta aactaatttt ttcatattat 600
attggtgcat ccctacttct tcagtcaggt ttttttgtgc ttacaatttg tgataactgt 660
gaataactgc ttaaaaattc acccaaatgg gangctgaat tttttcttca gccaaaagta 720
agttttgatt aggaactttg gttcaacccn 750

<210> 4936
<211> 1500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1500)
<223> n = A,T,C or G

<400> 4936
cgcccttgtc caaaacggcc ttgngnccca aatcagtctt ggaaaancct caaatnctct 60
ctanacagaa tngnggctng gggnanncnn cnttnncatg gnncggnttt atctcnactc 120
nttttttatg aggctctttt tttcnatctc tangannnct tctaacnggn antanncact 180
cncggggngn anctcnnttc gnggggggntn nactaantca annntgnnnn tctatanatn 240
tttanntnct nnacatncca ctcntntant cctctgnnna tnccnaacat nnatacncnt 300

cacccnttta cnctancncn cannacanat ctatctnatc actcngnnnn cnnnaantcg 360
gccacataat catnctnctc acnnntacta ntncntcatt ctcnacnntc tctnttctnt 420
acnatantnt ntanctcctn tttctcntnt tcctctncnc ncanttctct ancnctgcct 480
aatanactta ctnnntctcc tcnntncaca agtcngtacn tccgtctccc tntnnatnac 540
anactatntn ctcntatnnn acannncttn catatnntnn natnttnnac cnntncantc 600
nnttacntnt ccctnncant agntctantc tnctacntta ctctnntnat ctnnctnttc 660
anctantnnt cacanttcan ntcctatnnt ngnccntctn attcanntcn tcttatntcn 720
gnacantctn acncannntc tccnncntnn tntcatanct ctntnnacnt ntaacctact 780
antcttnnac tctcgtncta cctactcncn ctntantgnt actntacctc ctantaatct 840
atnctctctn gntntnnnac ctcacnactn ctctatacnn ncgatnanag ntntnacaat 900
ntctcgntag ttanangtnn cgcgncctac cnnnataccn ntntncnttn anactactct 960
ctctctctaa ncnctctgct cntatactat actcnatcna tatgttnatn catntctctc 1020
ncnntnannc gtngttntnt accctctntn tatctntncn ncngntcaac nnncttntna 1080
catnncnttn acncatatnn atnccgntaa tctacatncn gctctnctct ntncctcaca 1140
tacgctccnc nnantcatct tctnatattn aatgacacnt atntcatnnt acgtnttntg 1200
ntantttaat cnctttccat aatctactct cttatnctan nngctctcnn cnatanctat 1260
nctcnatatn ntaactctcn nnnncactac ngatcctaat gtnttntctn ncnntnantg 1320
atatctanaa tnnanntctt ttncnataaa ctnnangcct ctctaatncg acagtctnct 1380
ctanatanta nganaccaan atccatacct ntnntctttn anatactntc nattgactaa 1440
ctnctttnta taantacgta tcnatnccan atatcttgcn tctctntttc ncncccccgc 1500

<210> 4937
<211> 812
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(812)
<223> n = A,T,C or G

<400> 4937
ttgtanctaa tgctggttgg tcgttctttc tccangaccn agcgnttcga attcggcacg 60
aggggaaggt ctggctccag cttgagccca ctcacaggat gtcaggggga agtgtgacta 120
aggtcacggc cacgccacgt ggtgggccag ctggatccag agcaggggcc gttgtggcca 180
cacatcctga gtttccatgg tctaatgcan tgggcttgaa aaaaaagggt ggatgcagga 240
tgctggctgg gactgtggag tgcgtgggca gtaagtctta agtgacagtg ggtggagatt 300
acagcatttc atctgctttt cctttgacac cttttaaaga tacaacccac agttttcaag 360
ggtttatgcc aatgtctgct agagggatct tgcagtagat cttaaaccct atagtattct 420
taagagcaca aggaaattct tatttgggtt ccatttacaa caaaggtgga aatttaaaac 480
taggcttgan atttgaaatg ctggtcacat ttaancantt tatttngggg gggtaatttt 540
ttggaaatcn gtctttaant nanttttaaa nanngttttn ccncattttt naaaaagggg 600
ntacctttnc antttngntc ctttcaannt tttnnnnttt ggnnaaaaaa tnttnnnngn 660
ttnaaatgga atgtttttaa ccagggnttt ggggnttttt naaaantttt nnaangggnn 720
ntatntntgg gnnccttntn naattccagn ttnntnccan nnttngaant ttnnccccct 780
tnntngggna aaaanggnna ttgntttttt tn 812

<210> 4938
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 4938
ttgaaaccct ttgaaacctt tttgcaanct acttgttctt tttgcaggat cccatcgatt 60
cgcaaatacc taatgcatgt ggggcttaaa acctagatga cgggtagata agtgcagcaa 120
accaccatgg cacatgtata ccagaaactt cacattctgt tcatgtatcc cagaatttaa 180
agtaaaattt aaaaaaagaa acgtactgga aaatctgaat agaccctctg ctggaagcat 240
tatgaaaagt aaataaatgg atatactgca tcatcctcag aaaaaataaa aaagaaagaa 300
aatgcctgcc cccttctgcc cacaaaacag attaagcagg ggctcattgt tggtgtcaga 360
agagttgagt gtaatacact gatggtatgc acttgatttt agaaatatct tactggtgac 420
atttctgaaa atttgccaac tcataatttt aagaatttca aaatgtaagt ttttatttaa 480
ttgcatttga attctactaa ttgcatgtaa ttttttatta ctaattcaga actaagaata 540
taggccttaa attcctccta aattaatgtg aggcattttt cctaattcat tgtcacgaat 600
tattatgaan gtcatctgct gtattacagc agtccatact cgattgttcc ttctgtgtct 660
tcagataggt tctttttctt ttcctgtgag tatgtaaaac agcaaaccaa gtagatgggc 720
ttattttggt acatccatac ngaggaattt tatgggctta ttaaaaggat gcttacagga 780
gat 783

<210> 4939
<211> 1150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1150)
<223> n = A,T,C or G

<400> 4939
tnccgttnnn attnnntgtg aacccnttct tcncacctnc ctggntgnga atnctgcacg 60
agaggcattg nctgccttcg gctttatttc tgctgactan ntatctccta ttnagagcta 120
cggcaatgcc caaaagaaag gctgcaggtc aaggtgatat gaggcatnga gccaaagaga 180
agatctgcca ggttgtctgc tatgcttgtg ccagttncac cagaagtgaa gcctnaaaag 240
aacatcaagt tcnaggaaaa tgaagacnaa nagtgatntg atggaagaaa acatagattc 300
nagtgcccaa gccagttgct gaaacccaag cnagaagcaa gttgttgaag aagactacna 360
tgaaaaatgc taaaaaatng gagaaagccc naaatttcna gangcnccca gctttcttga 420
aaaaaagaaa ttgttgggaa nntttaaaag gaatgaanaa ttatttgaac gattgccccc 480
nannaanaag ggggtnggga tgaattagga annggaaanc ccgttnncca tgcngcgaaa 540
ntttnaaana natnggtatc naacgaattg cattctcnaa nnggaaagtt ttgcantnan 600
annattcnnt anaccgnaaa tnatcaaang gggnnngaaa gccctttggt aannaatgta 660
tgngtccctt ntnggnttgn aaaaaaaaan gggnggggga aatagtaaag tnnttngngt 720
aaaatangnt aggggatttn tcaacnaatt tngngganan anattggnag ggnaaanaan 780
ggngcncnna taactaaatt gcccnnanta tggtnaanct tanntnntgt nntngnatan 840
ngngggnnac nntatattta aaanggggcg tgcgnanatt gaaccngggg gtanaaaata 900
tggggnaaaa aatttggggg aatataaann tantttgngt atanaanatc nnttnntnan 960
anaggggggt cttatanggg attnngatat caatnntatt natggtgcaa tgtntaanan 1020
cacnctcgnn aaaaatcggg ttaaanaccn nagggtcatg anatntngtg gnannatnca 1080
gntggttaaa tttngtanat atattttggg ngtaananng tcttgcttaa atngggnnta 1140
ggtcatttcc 1150

<210> 4940
<211> 991
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(991)

<223> n = A,T,C or G

<400> 4940
ggnnngccgn nancnggacc ntcancgatn tnnacnnttt gnnaaccccc cccccgagcg 60
cgggcggnga gcnngtgata ttnngannag atggaaacan ctcnagttgn ngccttttnt 120
gtcaccnnag tgcgaggggg ngnatnggtn nnaananacn tcnctnccan gncctncntt 180
anancaccca tctaaancac aaaattcntg aagnggccgn tcagtnnngg canacccggc 240
ctccnagnta tgtataccct gtctgttcnt atngggatnt ntnctccatg tgagatatan 300
gatgcgtgcn atncgtaaaa ggnggtgcna gtgctncttg tnaggncccg acacattang 360
cgcttantcc nttaattagn ganccttgcn tcangggaaa ngggcttttc tatngaatgg 420
ggaataanat aatgggntan nncttttttt naanctcccg agctcnanta angntgctta 480
atggngcanc tacaatnctc cganacttcc aatgtgggtt gtcnatannc nacccttnna 540
ttgncggggt ggtccaaaag aantgcaaat tcctacctct tgggcccatc caaangaccc 600
ctttcaacca tgncnctttn tcgnncgggg agagaaacna tnnccnnggg ggtnaaaagg 660
cctcnccccc cntntntttt caccccaana gggggnaata nanangttct anctccntat 720
nccttttcca agcctatttn ngttnggggn gggngttngc nntntctcca atangccccc 780
aaagnatttt catttgttta ananttnccc nacnttcctt gatttttaaa aanataaaaa 840
tgttcctnnt aagangaaag ggnngnantt nntaaacnaa agcnnnaaga aagnagaaan 900
nccttttag aantttnnta nactnttcnc aaatgnngan antacctnat tcgggntgg 960
tnnctnntna tnttggttac gantggctgg c 991

<210> 4941
<211> 1075
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1075)
<223> n = A,T,C or G

<400> 4941
cnnncttcnc ctcnntgaac cnntttgnaa accncccntn atgcaggatc ccatcgattc 60
gaattcggca cgagggctgc tggagctggc aaggtcacca ntttttgccc agaaagctca 120
gaaggctaaa tgaatattat ccctaatacc tgccacccca ctcttaatca gtggtggaag 180
aacggtctca gaactggntn gtttcaatng gccatttaag tntagtagta aangactggg 240
ttaatgataa caatgcatcg taaaaccttc agaaggaaag ganaaatgtt tggnggacca 300
ctnnggtttt cttnnntgcg tgtgggcanc tataaaggga ttagtnnnca aaaatcagta 360
ccttttttaat gggaaaacaa cttgacccaa aaaattttgn tccacaagaa aattttggag 420
gaccccattn aanaangagn ttaaaatnga ggaaaaanaa aaaacgngcn tnagagaaaa 480
cttccggagg cccctcttaa gaacctaatt aggtggagga tccgnaattt naccggncgg 540
gaatccccaa gaaccaatgg gaataaangg gattacccnt ttnggattgg aagccttttg 600
gggacccaaa aacccaacca aaccttaagg naaatggncc anntnggaaa naaaaaaaaa 660
tggcccntnc aaatttnggg gnggnaaaaa ttnanggngg aatngcctaa tngggccttt 720
gaaatnnnnn gggnaacccc anttnattaa aggccngggc aaagtnnaaa cccaaggntt 780
nngacccaaa ccaancccaa attgggcaat ttccnatntn nnaaanggnt nctccanggg 840
gnttccaacg gggcgnaaan gnnnnncnnc nnacnnnnnt nnnncaannn acnncnancg 900
nnnnctnnta cannantnan aannnntnnn nccnncnnnn cncnccanna nccncnnnnn 960
nnncanacnc ganannncnc nnnnncgnan annannnccn nnannaancn ncatctnann 1020
nacncaanna nnananannn nnnnnnannc nnannncnnn nnncnnncgn cnacc 1075

<210> 4942
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 4942
tntttcctta cnaccagcta ctgntctttt tgcaggatcc ctcgattcgg aaatatagag 60
agatgtggga tttgaatgcc catgaaagac attttatttt acttgaatat attcttgctt 120
cactttaccc tccataatat gttgtacatt agtgctgatc aagtttacag agttacattt 180
tgctttccta accattcagt caggaattaa aatatggcat tgtataacaa ctgggaagaa 240
gctcatagtg gatataaatt agagtagata atgggtcacc ttgatagcct ctgtttacat 300
tacttgtata tgggcaaaat aattattacc tatacgtgta tttaagctta attttcatat 360
aaacagtatt tttaatctat gttaaaatag ataatatcta aaagtgtgat ctctaggtag 420
tccttagttt attagtactg tacttcaaaa agatttttaa ataggtccgg cacggtggct 480
catgcctgta atcccagcac tttgggaggc tgangcgggc gaatcacctg aggtcaggag 540
ttcgagatca gcctggccaa catggtgaaa ccctgtctca actaaaaata taaaaattag 600
ccgggcgtgg tggcangcgc ctgtaattcc cagctactcg gggaggctga ggcnngagaa 660
tcactttgaa cccanggggc agaaagctgc agttagccan aatcgcctca ttgcactcca 720
ncctanggga cangagcgcg n 741

<210> 4943
<211> 887
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(887)
<223> n = A,T,C or G

<400> 4943
annnnnanng nntnnnnngg nannnnncan ncnannnnnn naggnnannn nnacnattcn 60
ccccttcct aanagacttg gcnactcngc nctntccgca agnagnnnng cgttnncggt 120
tgngaggaaa tccaaagctg accaaaacat ggtccccacc ttttggagct tacagtctgt 180
actggggaac agagattcag ccaaagtcaa gaaacactgg atgccagcta gattatctgt 240
tctgtgcttn ggtgtctata agtacatatg nggatatggg ttcattnnat ccctaaactt 300
agtaccaaac cagcatttaa tatctaatta taaatctaat tnggcctaaa ctttattatt 360
gcacactgcc tgaacaaaac ctatttgcct ctatgtaaat tttttcctca tggaacaagg 420
gngngaaatg aaaatattnt aggatttatt caaaaacaga ctattctgnt ntcagctnca 480
gaantgnacn atgaatccta aggaaccntc tgccaacang ttgaggtntg ctgnncgaaa 540
agaaagaana aagaggcggn aanntctcag ggagaaanta nnnccnntnc ttttctatnt 600
tcagcanacc ntggaggggt gggcgagaan caagaantgt aaagggagga tcagaaaatg 660
gggaatnctt nggcagctgt nngaanatga tgangaagaa nctcnnnant ctcagttncc 720
cntnngnttc cctatnaact nttggataaa atnngggntt nggccaccaa aannacnnnt 780
gcncncaaca gcttcattgg ncccnaatnn tccaaccnct gatcggnnna cnntcaaaag 840
gctannggan ccgtnncgtn tanaantngn aaacnangcc caccccc 887

<210> 4944
<211> 1201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1201)
<223> n = A,T,C or G

<400> 4944
ncccccacnn cnncnnacac nnanacnacn cacacanann nccnancnnn nnncncancn 60
aaccnanaat ananaccncn cacnccnnan ancanacann nacnnncncc anacnaanaa 120
aaaaanctnn cannnnnana nacaaaccnn ganaganagg ancnctttтn cnaanaaaan 180
acncgggnan nnnncnggaa angnannaca cgagagngna nactngtnaa nagccccttt 240
tgcnaaaaac nccttngggc aaaancnccc gcctcannac cananagnnc atngnncncn 300
ntacnacgcc naancatccn aatgccntca gctannnngn gggangnggg gaaccccaca 360
acanaacnan anannacncc nacctacncn acnacannna acnngaccat cactccaacc 420
aggacaacnn caacaaacta cnnananccg acnaanatct nancacancc ctctancaac 480
cannacacca acaccaacnc ctncatcnac ancccacaaa aggcacnaca ccncanaccc 540
catcaccatc acanccaaaa aaaatnnnng ctccnaccac nccacaacnn ncagtnacat 600
cancggaaac cangattaca nnanngannn caaacancca tcgcncncnc ntacaacagc 660
gnnaannaca tccaaaccnn gaanccaaaa ncgacaacat nttatnccca acaanagggc 720
aacangaaca accccncgan angnganaan atanacngaa aaangcnata ntccnatcac 780
ccaannncan aaacacntnc tnnncccngg nacannncca taaaacacat agccctnaaa 840
aacaacnncn naaaacccag acnnnanccn caaaaccaaa anatctcgcn anaaactcta 900
ananatcnaa ccaannanac taanacncnt canaaaanag cctcnacgga ggaaaaaaan 960
aacacctann acaaaacanc accacnntgg annacaaaaa anctcncnca aggcnctcta 1020
canttaaaaa accccnnnac tncacacncn cccacanaca canacncgca acctcanntn 1080
tcaaantaaa atcnacacan acnanccact anccnnncaa nacnantngg angcaaancc 1140
cnaaacccnn tntntcnann nngncccccn aaccctcnca naaatnccaa nacaancanc 1200
c 1201

<210> 4945
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 4945
cnttttnttt tcttttcaac angctcttgn tctttttgca ggatcccatc gattcgaatt 60
cggcacgagc ccagatgggg gtgtttttca ggtctctcac aaatgagaca agcgaaacaa 120
ttgtctcctt ttattctctt tggtgcattg gtgctgggga aacatgaact agcggcagtg 180
taactgcaga acatagaccc agttctacca ggccaggcca gcactgggaa ccgccagaca 240
gggctgcttt gggctttgct tacagtattt ccatgtgtag cctggcgtgt gagaaagtat 300
taggtgaaat gccagtttca tggttcaggt gaaagtctgt gatcattccc ctcgtggctc 360
gtccttcaca tcacttttgc ccttcaagga gttgccgcgt ccccgctcag tgcccgcctg 420
agccctcaga gctcccctgt gcttttctgg atggggactg gcggggtcac ctagcctcac 480
cgtggagcca ccgtgcaatg cccatctctg agaggcccac gcagtattcc tcgtgccctg 540
tgttagtgcn ttctgtataa gggacagaca gaactgggtt ttttttcctc tgcctggttt 600
tagagttaaa tgtaactaac ttttattttt ccccttatg aaagatagaa aattattttt 660
atggtagttt tccaganctt tatacaaaaa ttttttgtta aaaatgttct ctgggaaaag 720
ttaactncna cgaatgtaaa atattgcctt ctaattaaaa taaccannn 769

<210> 4946
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)

<223> n = A,T,C or G

<400> 4946
cnttttnttt tcttttcaac angctcttgn tcttttttgca ggatcccatc gattcgaatt 60
cggcacgagc ccagatgggg gtgtttttca ggtctctcac aaatgagaca agcgaaacaa 120
ttgtctcctt ttattctctt tggtgcattg gtgctgggga aacatgaact agcggcagtg 180
taactgcaga acatagaccc agttctacca ggccaggcca gcactgggaa ccgccagaca 240
gggctgcttt gggctttgct tacagtattt ccatgtgtag cctggcgtgt gagaaagtat 300
taggtgaaat gccagtttca tggttcaggt gaaagtctgt gatcattccc ctcgtggctc 360
gtccttcaca tcacttttgc ccttcaagga gttgccgcgt ccccgctcag tgcccgcctg 420
agccctcaga gctcccctgt gcttttctgg atggggactg gcggggtcac ctagcctcac 480
cgtggagcca ccgtgcaatg cccatctctg agaggcccac gcagtattcc tcgtgccctg 540
tgttagtgcn ttctgtataa gggacagaca gaactgggtt ttttttcctc tgcctggttt 600
tagagttaaa tgtaactaac ttttatttttt ccccttatg aaagatagaa aattattttt 660
atggtagttt tccaganctt tatacaaaaa ttttttgtta aaaatgttct ctgggaaaag 720
ttaactncna cgaatgtaaa atattgcctt ctaattaaaa taaccannn 769

<210> 4947
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 4947
ntttcaaatc gcttggctac ttgttctttc tgcaggatcc catgcgattc gctactgagc 60
ctggcttgca actggggtga gctccacctt gaacgtcgat cctcctgcct ggtggagcca 120
tcccagctga tgccacatga agcagacaca agctgtccct actaagctct gctcaagttg 180
gatattcatg agtgaaataa atgactgtta ctaagtnaaa aananaaaaa aaaaactcga 240
gcctctagaa ctatagtgag tcgtattacg tagatccaga catgataaga tacattgatg 300
agtttggaca aaccacaact agaatgcagt gaaaaaaatg ctttatttgt gaaatttgng 360
atgctattgc tttatttgta accattataa gctgcaataa acaagttaac aacaacaatt 420
gcattcattt tatgtttcan gttcaggggg aggtgtggga ggtttttaa ttcgcggccg 480
cngcgccaat gcattgggcc cggtacccag cttttgttcc ctttagtgag ggttaattgc 540
gcgcttggcg taatcatggt catagctgtt tcctgtgtga aattggtatc cgctcacaat 600
tncacacaac atacganccg ggagcataaa gtgtaaagcc tggggtgcct aatgagtgag 660
ctaactcaca ttaattgcgt tgcgcttact gnccgctttt cantcgggaa acctgtngtg 720
ccanctgcat taatgaan 738

<210> 4948
<211> 795
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(795)
<223> n = A,T,C or G

<400> 4948
gncnncnctt ttgnaaancc ccttttnnnn aagnnccttn cnccttttgcn aancgcttgg 60
gcaactcgca ntctctcnan acagcaaggn ctgtggcgaa tncggcacgn agccgccnnn 120
tctncanncn ntgtcaggnn nnagnctgan gctancnnct ncnnantgcg nncnnngaan 180

cccannngac agcnnccnng cangcacgct nccncacngn acacaanctt taactaactg 240
cccnactncc aatgacgaaa acatntngga ntgactgccg aaantgcctt tccngatnta 300
accactagac natccatctg tatcacnnng ttnagccatc tttacngatn taagntccac 360
tgaacggctg agaaacttgn anaacacant gnacncgnnn aagnctngaa cacaactggn 420
ccaaggaaaa ctaanagtgc natantgnaa cccanantgg catccacana aaggcncttt 480
aaacntgcan gctcatcgtc aaagaatnat ccanatncct ggacactggc nggacacnnn 540
catgtcnatc natgaacaac ctanaggcnt tgcctangaa ncgctgccta ccactnnnna 600
tgatangccg aacannaata tctantnccn tcnnnctata nnnntcnaag nantaaagna 660
ccnnnntatn caagnnaann nannaancta gcacatgnnc tcanangaac ancaaattna 720
tacnnganaa tngtnccttn naaaacntcn ngggtanact tncncanntn nccancccct 780
aaaannntccc nnnnc 795

<210> 4949
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n = A,T,C or G

<400> 4949
ttnnttttttt tggttaccct ttgctctngg nctttttgca ggatccctcg attcgaattc 60
ggcacgagcc ttccacggtt atttcacaga tatggagagc tggaagcagg gagtgagtct 120
ctgagtgttg gaattgtaag ggatcagaag cagggatcag aagcagtggt gaagttcatc 180
caccataaaa cacacaggtg actttgcctt gaatctgcag gactgaagcc aactcttggg 240
cacagaccct tagtcccttc cttggccact ctaagtcaga tagtccagag ccaggccctt 300
tgggatgtga caccgagata aatcagagaa aagctgtgaa gcttggggaa cagagggact 360
tttggtgaag taggtggtct gcagtttcta tcttcttggg aaaagcaagc tggaaaagtg 420
aacagtggtt ggtaggccat agtgctccca gctgggtgac ataatgacca cacagcacag 480
tgatgttatt agcaactgtg tggtggagta gttgtgggct ggacaaatca atcgtgtgga 540
aattgttagg agttttatta cattaaactt gttaacctaa aataccatca aaaaaaaaaa 600
ntncnnannn nccncccacc nancntncna aaaaaancct cganccttta aaaacnnntn 660
gnngaggccn tatttacgtt anattccaga cnttgaatan ggatnccatt tgnattgaaa 720
ntttngggcc aaacccccaa ccttngaatt gccattngaa aaaaaaatgc cttttatttt 780
gnnt 784

<210> 4950
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

<400> 4950
gttcttttgc aggatccctc gattcgaatt cggcacgagg ttatattaaa ttattctttg 60
tttttctttt tcttttaata aagcctgcaa gttactaaat tgtagtttca taaattctgt 120
agtaaagtat catcttggca gtgtgccaaa ggtgaaaatg atgctttctc taacagagaa 180
attcttagtg actccagtcg tagaaaaacg tctttacaac ctgaataaga ttgaagaatt 240
gtgaacatac catggcctat tggatgaatc atttgccgta ggctaaatca gactgtaggg 300
tttgtgatgg atttatggag tatgtgggta tagaaatcat gaatctagca tttgttttca 360
gagattcaag catagtcnta agggtagatc agaaatgaca aatgaattca aaacctagca 420

ggtgcattgt aaatgtgtgc ccagttatgt tttggaaatg gcagttcctt ggggtcatgt 480
ntctactggc caaatttgca atagtgttct atngnatgta atttctaaaa tttattagga 540
ttatccncgt tggccaagta aactgtctgc caatagaatt ctgggaattg tgagaaattg 600
tatcattgaa gttcagntnn gatgngtggc ttaaaaaatt tatcnnggac ccccanacan 660
ggaaacnana antatttngn tcctgcangg ttcattgcca cgggcannga aggtatttcc 720
cagaaaaata cctcnnn 737

<210> 4951
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 4951
ttgnanccnt ttgaaaccct ttttanantt ctancataca agctacttgt nctttttgca 60
ggatcccatc gattcgaatt cggcacgagg gcnactntgn agaattcgta cngatganga 120
ctgcanaatg aagacctact ttcaacttnc ttttgncccc ctctagnaga atcaaatnga 180
atcttttact tacctctgtg caaaanaaag aaaaatgaaa nangtncatn tattcattct 240
gttnctatat agcaaaactg aatgtcaaaa gtncnttctg tccacacaca caaaatctgc 300
atgtattggt tggtggtcct gtcccctana gatcaagctn cacatcagtt ttacnatata 360
aatacttgct ctaccttaat gatgaggact ccttaaagnc ncatttgcta ntgatnaata 420
cactgctngg gctggccagt tttnnatgcn tgcagcttga cnantgagca cactcaggcc 480
tttgtnttaa aaatgaaaaa tgaaaaaacn aattcaaaac ctattcaaat ggnttctagn 540
caatttgttt agtataaatt gncatagctg gtttgcttga aaacaaacac atttaaaatn 600
ggtttacctc aggatgacgt gcagaaaaat gggtgaagga taaaccggtg agacgtggnc 660
ccactggtag gatggacctt tgagcttctg gtgctccgnc catggngacn atgacacacc 720
ctggnggcat gcccctgtat gtgngttaac gntgtctgca ttgtctaaan tgaacangtg 780
ttagc 785

<210> 4952
<211> 1523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1523)
<223> n = A,T,C or G

<400> 4952
gggggggngn ngcgnngntn gggggggggg gttnttcnnn nnnnntggng acaccccttt 60
ttttnggggg ganaaaaacc cnnggngagg ngcgngnggg ggctngnggg gannnctggn 120
nngngngggg ngggggggcn ggnntggagn ngngnggngn cncgngngng ggcgnngnnc 180
gnggngggng gggngggggt nntttttttt tngggnncng ngaggggggg ancnaggcgg 240
nngggggggg ggggggggnt ggngttgcnn ggggnggagg ggggnggggag gnngaagggg 300
aggnggcggg gannggcggg cagnggaggg gggncgnggg ngggtggcgn ggnggnggcg 360
ggngngnggn gccgnnttnn gggnngcgcg gcgnctnggg cgccggcggg gangngcgcg 420
gncgtgngag ggnagacggg agncgnggca nngagctgnn gtcnggngcn gggcggggcg 480
nagngagnag gctcnatngg ggggnggcgg ggngtgnggn ggggncnncg aggnggggga 540
nnaggcgtng ggcnggntcg nnggngcggg ggcgancggg gagnntgngg ngggggccag 600
gngngggngg ggggncgggn ggggngnatc gcnnngcgnt gacggngtgn ncgggnccgg 660
cngggcgcgc gngancncgg gaggaacgnc gcangggggn cagtggtngn gngccgangt 720

cngtgtngng cgagnggngn gagagggagn gnngntgggt ggggncgagg ggatggccga 780
gngtcngnng gggggaggng gnggngnngn nngagggcgn tngnntggct nngggggccc 840
aggngcnggc nnngcgnggn aggggngnnn gggnaggcgg gcntgggntg gccaganagn 900
gnnctggggg ggntagagng cggngnnggg gnnnntgnng agacgggcng agcgggcggg 960
nggcgggcgn gngngngcgt gnnagagcgn gcgggngcgn gtgngnccng gcggncngnn 1020
gcagaggngg gacacagcnn cggagngngg tgnatgnnga gangagngng nnnngtggcg 1080
nacggttagc gggcngcgng gagagngagg tgncgntggg ggagcnntcg cgngctagag 1140
aggcngcggc gnngngatag gnggggnnga gcntgngnng ganncggatc tagggagcgc 1200
gagtgggngg nggtngacgn gagggggnng tgntnggaga gnggggngagc cgngngcngn 1260
tgtagagagn cagnggcgtg ccgngtgggc anagggcgng tgcnncngta ganatggntg 1320
nngcnctgcg gcgngcgagg cnntaggnng ngtgnngngg gangagcgng tgtgggcgng 1380
cgcgnnggggg ggcggcngag tgacgntnng cgcgatngnn nggccnccgn ngcggncgca 1440
gangngangg gngnngcnnn cgcgnggaga nngnnaggna cagggcgagg gangcgangn 1500
gntgtgtgnn aggngcggnn ggt 1523

<210> 4953
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 4953
gacttcnctt tcnaanannc tnggaagctn antnncctaa ananaaggtc ntgggcgaga 60
gttctggatg agacttggta tggtccattc tgggacaaaa ttcctctctc tctctctctg 120
cggacccgtg aaatctagaa aataagttat ttgcttctaa aatacagtga tgggacagac 180
ataggataga cattcccatt tcaaaagtga gaaattgggc caggtgcagt ggctcacacc 240
tgtaacccca gcacctgtaa tcctagctcc ccaggcggct gaggcaggag gattgcttga 300
gcctgggaga tcaaggttgt agtgagccat gattgcgcca cctttattgg gaaactttta 360
ttccagttac caataacaca ttcctcattt nctccagaga cctcaccaga aacaccttta 420
atattcatat ttctagcagc cttctgttca taacaatata tgcatcctgt taagatgata 480
ggagatttct cttgcacctc tcctctttgn gagcctgcan gggacattcc cttttaatgt 540
ccatatttct accagcagtt ctcttnaaag caagtctaag gtntttccta acattacacc 600
tnaaaattct tgcanntntt nnccaagcac agtgccttac atctggtaat tcctaacact 660
ttganaaggc cnaacatgga acaggaatgc ttgagctcaa ngagttcaag accagcncgg 720
gcaanattat ggaaccctnc cttttcnaaa aattncnt 758

<210> 4954
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 4954
tgagncnttn nancctttg aaatttttan acagctactt gttctttttg caggatccca 60
tcgattcgaa ttcggcacga ggttgctctt ccatgcgttg gtcaggggc cctgaaaaca 120
ctggtaatat taagagtctt tctcagggta acttaatgtt ttcttaatga acaatgtttc 180
cagctacaaa ttctttcaat aaattgtctt ccttttgaa aagtactctc atagaagaaa 240
tttagcaatt tctcgttgac tgactcagtc tattttaagt attcagaaaa gattttgatc 300

cccattgagt taatgctctg ccttgaaaat tatttttctg atccttgtta gtgataacat 360
tttttttcta ctgaaggtca gaggatanga aacaagtatt tctcttctgg tatacatgta 420
atgtattctg taaaaaagta ttcatattgg caattttagt taggcataat attgtggttg 480
taatttttaa aacttagtgt tttgtctgat taaagcangc actgatcagg gtatctccta 540
agaggtaatt cacttcttat tcctttccaa taattattac attctaaatt ttcatctatg 600
agaaataaca aacaagaagg gaatagaatt aaattggggt ataatctaat cttcattggt 660
taaatggttt gccttctccc attgaagcca ttttttatag cctcanaaag aggaaataat 720
gccttcaccc attttctacc tggtgacttg aaaaatggac cttttaagtt aggaagaagt 780
t 781

<210> 4955
<211> 939
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(939)
<223> n = A,T,C or G

<400> 4955
gnnnttctaa tttcctaaat ggctgggcta cttgttcttt ttgcaggtat cccatcgatt 60
cgaattcggc acgagtgaag aggaaaaagt tcaaaaaata aattacattt tataaataag 120
gcaaggaact ggacattacc tcacatctgc aattccaacc ctctgggagg ccaatgcatg 180
tcattcnttc cnatanntnc nactcnagac acatgatgtg attcacagaa cnaganaang 240
nntccaccta ctgtcctgnt tnangnnggg atgctncata aagaggatna cnnttaancc 300
actaacagtt atgcctntna tcttgaatct gttcctacta gttttcgtnt ncctgggcnt 360
gttactttat gtttccttnc ntcannttac ctttaatatg anaatantna tnattntttn 420
accatggtcc cttacttnan ngatantttt ntnatnnntg catngnnata nnancntnnn 480
gtnctttcnn cantntaaat tcttaannnt nntcnttatt cnntnttcnt ntntntttnn 540
tnattnnnnn ntntntacnc ttannttccn cnacatcanc caatttttnt nntnnnttnt 600
tncannanaa ttnnntnttt tnatanattt tnntntactt ntgnnanatn gggntnattt 660
tncntnncna antggttnnn nnnnttttta ncncnnnann naacntcntt tnatcnnttc 720
tnnnatnnnc nattnattan tctntnnctn ttnntatcna cncaattncn ntatnntnat 780
ctntatannt tnnnaatnnn tnanantacn tntannntnt tctntnntnt tntanaatcc 840
nnaatntatc ttntnttnnn nntctaaaan agctnttncc ntttnnaatc ncttntntnt 900
nnattntntt ttantctnta cnanactttt nttacttcn 939

<210> 4956
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 4956
ttganccttt atacagctnt tgatttgana cctttanaca gctacttgtt ctttttgcag 60
gacccatcga ttcgaattcg gcacgaggga acatctttac caccaacgtt ttacctctgc 120
ttcaacaatt tggccttgtc aaagacacct gctcatatgt aaatgtggaa gatgtctcag 180
gagccatatc acatctgtcc cttggggaga tcccagctat ggcacagccg tttgtatcct 240
cggaagaacg gaaggaacga tgggaacagg gccaggctga ttatatggga gcagattcct 300
ttgacaacat caagaggaaa cttgacactt acctccagta gaaacactgc atttttctgt 360
gaacacatcc acttcacaag ccttgtttct gatacttagt atctagagct gggttgagaa 420

aagtctgtta cagttgctag aggttttcat taaaacttat cagatgagag gctttttag 480
gataagaggt gagaactggg caaaagttgt gaagcagcaa ttctgttata tggacagtgt 540
tctgcttttt aatcctattt agcttgtttc agaaattctc acttttgttg actgccaaca 600
tacaaagtaa gggaaactca agatattaag atggctgtat cagttcttaa aatctgcaga 660
gcctggttca aaatcagtca ctcccttcag aagcagacat ggcatctgtt ccttgcttgc 720
ttgttggttg tgtcctttca cgagacctga attttagaat tgcccagtgc tgccagagtg 780

<210> 4957
<211> 1210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1210)
<223> n = A,T,C or G

<400> 4957
gtnnnaacng ttaacncntc tgtctttgag gtccatcgtt cnatcggacn agtatgnatg 60
catncctccc ctgtgcgatg agnntgncan gannnacagc acatgggctn taggacnttn 120
angtgcnnaa nctnncngan tgnnncngca cgncnacgng ctncttgccc gcctaangtg 180
aatatcgtnc ncgacatgna gtgcatcang agtganngag cccctngcnt gaatgtatnt 240
cgtcntcaat acnntntatc gccnacatnc cttnancntn gctaccactt cagcatgatc 300
ccactgctcg aatttgccat tcngtaattc cttaacnagg ngcntgnaan ngcggaaacn 360
ttngtccaag tnganacccc tagctcttta naagcgnttn tnnntgggga aaantnccan 420
ncctnggnga caagantngg atttttaacc caattggggg aaacccgcct tgggcncact 480
ttgngggttt nnccccaaaa ttttcccncc cttggganta aaaannentn ttttcaaggn 540
gagcgggcct tcancanatt nccngttaaa ggngntttct gattcaaagn ccntgnccgg 600
tggaantcna ngnggnanag ngnaaaaaat tccnttnggg nactgcanaa attncnncgt 660
tcggattggg ngnnntntnc cannanggcc cctgtntccc atangggngn aaaactccgg 720
gccantttct ttttaaanaa aacctnggga aantcccntt tnttaattaa ncaccctggg 780
gacgtccana ttgggggggng acatttgcnc natggcntta gcctatantt cgtaccncng 840
aaaaatcggg agantnccct ttganaaant tntnccagaa acntngccnc anaacctttc 900
ggncnntggn gtttggtcaa ttgaaaatcc aaaaattann tggcccctgn nagacnggnn 960
ntcaaatagg ccgcttnntg gtacttcncc taaacaatcn ttngntagng cattngcgct 1020
caatggnaan ttcancctnc cngngnacnt ngggaanngg attttaaacc cggaaaaant 1080
ttnaaccnna acnactgggc tcatnngcta cttggnttcc attaaacccg cnnntgatta 1140
ncgggnctta ncagnacttt gcacggcnat gcanctagtg acccggnnng gttncaannc 1200
ttcntntgcc 1210

<210> 4958
<211> 837
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(837)
<223> n = A,T,C or G

<400> 4958
tttttttac ttaacatntn ngcctactcg gnnctttttg cagggatccc atcgcnttcc 60
gaannncngn gccgagggtg tggntccaag ttntncatga ntagcaacna ganggtgtng 120
anatnantgt gtaaggctgn gaattcttgc tgnaggaatc gnagaanacc tgntgctgca 180
aaatcntaca tgttccacat gganagggaa gnctaancgc tattcanaac anttcnnttt 240
tgtatttaat taancnattg cagctatctg ggattttcgg gncagaatat taanttcctg 300

gntgattctn catattccaa tgnatnaaat ncanaaccat tgngncttta agatngtgtc 360
aatnttcacc taacaactng tgccnnaagc acctgcattg gtaatnatat ttcncttaaa 420
gggcaaattc tgncantntc ctgntaactc aaaagtgcat tnttccnctt caaaaatgtt 480
gntctcagtn atcncacatn ctgcaganat ntatttatat ctatacntat anctnnntga 540
aatacnntta ctcacnaaat ntattnctga tnaacattcc catgttaaat ctnangcccc 600
aaacctttct aaattntggc ccctnanncc nttaatattn taaaaaaatc taaaattctg 660
nnntttcaaa tttgnnctnt aagcnttntt aanaaatntt cncnaccntt gcctttccaa 720
taccctnccc cttggnttaa cnaaatttnc tttnaatanc cntcaccttc ananactgga 780
ttctctttca aattnnntct ngcntcgaat cattantaac ttttgggnct ctcncct 837

<210> 4959
<211> 1302
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1302)
<223> n = A,T,C or G

<400> 4959
gnccggcgcc agtgcngtac ccanagcaga acgacccgta aaacccccttg ggaangnccg 60
ggacgggncn cnngngccgn nccncacncg cncncnnnac accccntttt nccccccattt 120
tancaccann atngncnnan cangggggng nannacngng naaaaacccng gngagnnccc 180
nnccgcnggg gannccanang ngcngnnaag naaccnggng cnncaancan ccngngcgng 240
cccacanaca cnggccanaa gananacgca agcgnacgcg gncgaagncg ggngnacagn 300
aanaaacnnn cngcacngcg naaaangccg cncaacanna gcnaagggng aacgngacac 360
ngccngancn cncgncggan ncacngannn ncgcannanc gcacangagc gganaccacc 420
cagcnngcca naangcggca canacgncnc ggggnnnncn anccgngncc canangnnna 480
gacncnggna cacccnncca ccccnangcc nagannncan aannccnagn nacccnagac 540
annacnnnnn gannnccnnn cnanccgagg nacannncng nanngnngac ccnnnnctnn 600
nnngccnana nannccnnac ancncccccа nccncccgag ngaaacncnn naangaccan 660
cncaanacga cnccncgaca nnacacnngn gcccancnaa nncaacacna agnnnaccan 720
acngcncnnc gnacnaaacn ncacgcncgc ggagcccgaa ccaacgcacg acacgcgacg 780
accgancanc aagaangnga ccncacacgn agcgnccnnn cgcgcgnanc gccggacnca 840
nngacanncc gaanagannc gcggnangng cacgaancaa cggccannng nnganngagg 900
agcnacaacc ncnacggang cgangccgna nagangacgg accaagacnn gaanaccgnc 960
gaggccnaac aaacggncga cgcccgcgga ancncacnan cncngnnggn cannennngac 1020
ccngananca cacancgcnc accacangnn ngnggaacac gacaangcca cgnacanaac 1080
gacgaagcan gaacanagnn gncgcaanng nnancnagnn nggaanacac acncgaaccg 1140
aacacanacg aagnaanacc aagagcanna gnagaagcnn acacagacac naaacngnaa 1200
ccggcccnna gnancccanc gcncnngcan cagngcacaa naanncggan ncccacgcca 1260
aaacngcnac agnncgcaac gnangncncn acgccanacg cc 1302

<210> 4960
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 4960
aanaacgtaa ttnaacgcta gcgctctngn ngatccngna gntctntcnt tcttccaatg 60

ccngaananc tgcnntggna tgnngctaca tgnatctagg tgttgangct ttacncgcna 120
gttgncngat gacgcntggc anangnccag gntntnnnta natccnaaca ncatantgag 180
gnatnggatg cctacnngca gagncgacag aactcacgct ntaaaannag gcgccacaca 240
cgggacgant acgtnagaaa naatncnntg tgngtgtnnt tcctactcnc ttactcacag 300
cncatcagaa ggaagnngac nacnagctng aagcnggctt nataccnnat atcgncngct 360
acancctgng ncaccactgc catngcgatg ctnnactnca nctaattnta ccatnnanga 420
tgcntcatgn acctgnncta gcnccggcan ncttntggng gcccctatnn tagagaacgg 480
cttnnctcca cactgtaatg gtagngattg tggatnttcc tctatcatgg aagggganttg 540
aaacngntnc nctggagggt nnggntgtng actgcacttg nagcattcgn attcatgntg 600
anctcggaga ttnactctgg ngttccatca actntgantn caaacangat gatcnnngat 660
taggncgntt tccaatgttt gngccaaatt tgttaanann aacnacngga ttncaantta 720
anttggnnaa nccntnttaa ccnttcgggc tcntgctcct nncntngcc 769

<210> 4961
<211> 880
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(880)
<223> n = A,T,C or G

<400> 4961
tnctttnntt actttcgctc ccgttctttt tgcngatccc ncgattcgaa ttcggcacga 60
gagagggtgg ggtctggcca cataggtacc tctgtggctc tggtctgggg ttagacactg 120
ttagggacta gcatttattg gacttgtaaa gacagcacct cagaattagt aactacttgc 180
attttagggt ctgttttatg aagccaacaa gtgaatgtaa aataggctct gcatcttttc 240
tgagagccct gtcactgggc agtgagcatt tccaaaattg cagctctgtc agaatgaacc 300
atgaatactt aagaaaggga aagtaggaac agggagcaga gcaaagcata acttgctgtg 360
ttccagggat ttaaaaataa attactgtca agagcaatat aagggtcatg ggtttgatca 420
ngaacttttt tgtaaatgaa aaagttcaca attttggnaa aaacagtgct agatgtgtta 480
tggaaattgt tatcacanaa ttcttccncc tgaaacttca agttntatna agacaaccaa 540
ntatatttgc ctgnngaaat tcttaaattt cttgnncctt atngggaaag gtnaacccaa 600
nacnntcang naancccatt cccntttttt tggcntttgg aaacttgncn acccggttng 660
gncancccce aatttttcnt aaaaatttaa tggtaaaacc ttttnanacc cantatcant 720
nnnnnccatt ancnaccccn ctncatntac cccngccccn tctncttnaa tanaaacttc 780
tcngntgccc ctttttnnaa anaantcttt tannnncgaa ccccentctt tttcccgcnt 840
nnatattncc ncatcccttt tgnanttcac ntactccnnt 880

<210> 4962
<211> 880
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(880)
<223> n = A,T,C or G

<400> 4962
tnctttnntt actttcgctc ccgttctttt tgcngatccc ncgattcgaa ttcggcacga 60
gagagggtgg ggtctggcca cataggtacc tctgtggctc tggtctgggg ttagacactg 120
ttagggacta gcatttattg gacttgtaaa gacagcacct cagaattagt aactacttgc 180
attttagggt ctgttttatg aagccaacaa gtgaatgtaa aataggctct gcatcttttc 240
tgagagccct gtcactgggc agtgagcatt tccaaaattg cagctctgtc agaatgaacc 300

atgaatactt aagaaaggga aagtaggaac agggagcaga gcaaagcata acttgctgtg 360
ttccagggat ttaaaaataa attactgtca agagcaatat aagggtcatg ggtttgatca 420
ngaacttttt tgtaaatgaa aaagttcaca attttggnaa aaacagtgct agatgtgtta 480
tggaaattgt tatcacanaa ttcttccncc tgaaacttca agttntatna agacaaccaa 540
ntatatttgc ctgnngaaat tcttaaattt cttgnncctt atngggaaag gtnaacccaa 600
nacnntcang naancccatt cccntttttt tggcntttgg aaacttgncn acccggttng 660
gncanccccc aatttttcnt aaaaatttaa tggtaaaacc ttttnanacc cantatcant 720
nnnnnccatt ancnaccccn ctncatntac cccngccccn tctncttnaa tanaaacttc 780
tcngntgccc ctttttnnaa anaantcttt tannnncgaa ccccccntctt tttcccgcnt 840
nnatattncc ncatcccttt tgnanttcac ntactccnnt 880

<210> 4963
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 4963
tctttttttg gaacccnttn tngctctttt tgcggaccca tcgattcgct ctggagtagc 60
tgggattaca ggcatgcacc accatgcctg gctaattttg tatttctagt agagacaggg 120
tttcgccatg ttggccaggc tggtctcaaa ctcttgacct caggtgattc acccacctca 180
gcttcccaaa gtgttgggat tataggcgcg agccaccatg gctcagcctc atgttcgttt 240
ttaaaactta ggatggtggc tcttttacat tgattggtag gaactcttca tattacgagg 300
cagttagcta gttgtctgtg aaataaaata ctaatgattg aactttctag gaagtaccta 360
ttctgctaat agtgtaaata tacacttatc cagggtcaga aatactcaag tttacccact 420
taaaagatct agaaaataca tgaacttggg cttacttgcc agttaaaatt gnttatctca 480
gaattgtacc atcaccttaa ttaaagtaga tatgctagga ttatcctgat aactaattaa 540
catagccttt ccccttagt gttcttcacc tgaatgtagt anttgnactc ttcaagtcta 600
gcanaggcca ataaaaagtt cagagttnca naaacatcaa ancctnntcn ancncnnnna 660
tannnnctc actcacatcn ncncatcccc acntacaaac ncacnnnnnc nncccnntnn 720
ctncccentt acnnctacct cncentteen tennaantcc ctccncacgc ncnncnnt 778

<210> 4964
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 4964
tctttttttg gaacccnttn tngctctttt tgcggaccca tcgattcgct ctggagtagc 60
tgggattaca ggcatgcacc accatgcctg gctaattttg tatttctagt agagacaggg 120
tttcgccatg ttggccaggc tggtctcaaa ctcttgacct caggtgattc acccacctca 180
gcttcccaaa gtgttgggat tataggcgcg agccaccatg gctcagcctc atgttcgttt 240
ttaaaactta ggatggtggc tcttttacat tgattggtag gaactcttca tattacgagg 300
cagttagcta gttgtctgtg aaataaaata ctaatgattg aactttctag gaagtaccta 360
ttctgctaat agtgtaaata tacacttatc cagggtcaga aatactcaag tttacccact 420
taaaagatct agaaaataca tgaacttggg cttacttgcc agttaaaatt gnttatctca 480
gaattgtacc atcaccttaa ttaaagtaga tatgctagga ttatcctgat aactaattaa 540

catagccttt ccccccttagt gttcttcacc tgaatgtagt anttgnactc ttcaagtcta 600
gcanaggcca ataaaaagtt cagagttnca naaacatcaa ancctnntcn ancncnnnna 660
tannnncctc actcacatcn ncncatcccc acntacaaac ncacnnnnnc nncccnntnn 720
ctncccccntt acnnctacct cncentttccn tennaantcc ctccncacgc ncnncnnt 778

<210> 4965
<211> 827
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(827)
<223> n = A,T,C or G

<400> 4965
ttagntnaac cctttgaaac ccctttgaan tntttaaacc ctttcnaccg ctacttgntc 60
ttgatccnag nncncctcaa ttccgccttt gttccctctt tccatgccgt ttnttccngg 120
ggcccnggan aacactggtn atattaacag tctttctnag ggtaacttaa tgttttctta 180
atgaacanat gttccagcta ccaaattctt atcaanaaat cggcttcctt tntgaaaagt 240
actctcatag aagaaattta gcaatttctc gtgactgact caanctattt taagtatnca 300
naaaagattt tgatccccat tgagttaatg ctctgccttg aaaattantt ttctgatcct 360
tgntagtgat aacatttttt ttctactgaa ggtcagagga tnggaaacaa gtattcctct 420
nctggtatac atgtaatgta ttctgtaaaa aagtattcat atnggcaatt ttagttangc 480
ataatattgt ggttgtaatt tttnaaactt tagtggtttt gncctgatta aagccancgc 540
ttgatcaggg tatctcctaa agagggnnat tccaccttnn tattcctttc caatgaatta 600
tnacattcta aattttcatc tntggagaaa nnnacaacca agnangggga atnggaatta 660
aaattggggg tataaatcna nncntccatt gnttnaaatt ggntgccctt cncaccantt 720
gaagcccatt tttttatagc ctcagaaagg agggaaataa atgccnccca ccttttttntt 780
cctggtagac ttngaaaaat tnaccnttta agttangaac aaagtct 827

<210> 4966
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 4966
tttgaaccct ttnacanctt ttgattttta ancctttnca cngcncnngn gcngganenn 60
ccccnngaat tcggcacgag ggtgtgcggc tgtaatttta gctattcggg aggctgaggc 120
aggagaatca cttgaaccca ggagacgaac gttgcagtga cccgagatcg taccactgca 180
ctccatcctg agtgacagag cgaaactcca tcttgggggа ggaaaaaaaa gaaagtaata 240
gggangnaaa tcagaanttg tgtgggantc cccctatntc tggctcttgn tannatactn 300
nacctgtcag gcnatnctga gagcgaangc tnctgcntag ggctagtttc cattcagant 360
ggtttttgat aggcatgaac tagtctaact caaagcatac ttctgtgtaa gctagcatag 420
ctcctntact tggcttcata ncnttggaca ttaatcgaga aaagtgaaaa aggagggttt 480
ggncctgcct tgaatagcat ttgattntta atcctacatt ntatcagagc cccagcnttt 540
naaatgttta atagccntat gtgctgtttt gccacgctta cnaagttngt acttctgtga 600
atgaaaaagt gtgactggac tnacataaac tggnattgac tnncagtcat cagtntattt 660
ccatnttcaa ggnaaaaccc aangactggg ttntcctctn ttttcttttg aanatganng 720
cnnctaaaaa tcaantaatt ggggctgggg tgtggaagcc caccttgtga aantcttatg 780
ctttn 785

<210> 4967
<211> 975
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(975)
<223> n = A,T,C or G

<400> 4967
annnnanncn antnnntnnn atntnannnc nncntaantn ntnnnatcnn nanncnnana 60
anatntnnac tnnaaanaat tnctaatgat taanggggg tctaatgctt ggaaactccc 120
ncgantaana ggttngtcgg cngctctggc tgcccggcgg ttnagcagca tggnctctnc 180
aggggcacag tanngcgcct cccganttac cggagcgnaa ctgccaggta ccgcnaagtc 240
nnctctggna tcagcgctac caaggcgcag ncgantctgc caagctacct taggancggg 300
gactnatcct acttccgtgc cctactagag ccggagntnc ngnccgagga ccgnatcntt 360
gtnctangnt gcnngaacan ngcnctgatc tactaatctg ttccntanga cgctnccnta 420
atgnnaccag tgcngactac tcatcnatac nnggnagctt gatangcnng ctnacnatgc 480
ccatgtgccc nnatcctcnc tnngaaaacn nngaatgtgc gcgaangctg ngacntttcn 540
ccaaagcttt gtttttgaan tnggttnntc gaaaaaannng ncncnacttg ggaatncccc 600
tnaattngca tgggggggaaa ctaaagnttc cccttggnaa ccccatnnta nccctttnta 660
aaaagggtat ttaaccccaa ctttgggggc aaccccaaaa ntnttttgta aacntntaat 720
nttcggaagc ccctgggaan nantttgngn aancctntag nnaaggggcc cnggnanttc 780
ttnttcnttn naacangaan nttttttann gccnngaccn ncctcgannn ttttaaaggg 840
gcccnanaan ccnttnttgg cccnaaaacc cttttagngg ttnaggancc ttgaggaatg 900
ccccccttt ggnaatgngg atttccactt nccnatgngt aacccnanca naaaanggng 960
gaaaagctaa aancc 975

<210> 4968
<211> 1150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1150)
<223> n = A,T,C or G

<400> 4968
gncacgntnt tactccttgg gnaatnagtt ngnttnangc cctttctcta aanagaaatg 60
ngngntggcg aanttcggca cgagtnngaa gcatncacat atccttagaa tagtntnact 120
tnggctatna acccctngcc ggctgnggct ccccantgtn gtnantctgn natgtgctat 180
acccaaccta gagcangggc gccatgcctg gctaatnann ngtnattact tttntcanca 240
gatggggtct tcactntgnt gnccangctt gngtctagaa ctcctgggct ncaanttgat 300
actcctgcct gagcctccca aagtgcntgg gattatagac atgagcaaat tgtacttggg 360
ctcaaatttc ttgnttnaaa ttgggctttt ttgtcagaag naatgngcnc nccttgaat 420
tatnattttg atcttgttct cattgtatta cttngnaccc ctattcnnac natangantt 480
tctatnttta ttcaatgaaa gcngccctgg ggaatttatt tgnaccttng tanccacntn 540
cngnggcctn tgnggnnntc taaatatcnn tngtccgctc tacntnnaat ntcgggggc 600
nccttatact cnggtncacn nnatngnaaa aatnggttgt cctntaactt tcttnncaaa 660
atntgcggca gatnntnntt gnggnntant ttnnanagcn ctnttngtna nntnncnttt 720
tggngncaan tttatncact ntgngaaana nccccтcntt atcnntataa ccaatttcgg 780
naanatnngt canatattnt acattatcct ctaattnntn ccccaatang ntnanttact 840
ctncaaatnn nnctantatt cgngnntcta tncnanaatt ntctananan ttctntncca 900
ntttctgnga ntntttctgn aannnttcat ncgtgcggan tannctatgn ggacntaaat 960

ntttntancc cccggannтt nttncntaaa aaangataan gnctttttcc acanactcca 1020
acaaantcct ngtggannac ttaaantnnn tcatcnccct cnggnaacat gtctnctntc 1080
ttnanagtac ncatnttgga tcnatntana aaggnaaatn ntgatnnggn gctctntcta 1140
cttatcancc 1150

<210> 4969
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 4969
gnntttctaa ngcnngctnt cttctgcngc tccnncnatc cgtgnntaca cancacgncg 60
angnntntct gactnttnnn ctatgtaata ngcaggngta gttgnntntn tgctgccatg 120
natgnatnna catnncatgt gcagtgtctn acgtaatacn ctccnatnaa nctngttgnn 180
cntactnntc nncaacntgg atatgncant ttgnncagna cnantgntgc anattggaan 240
atgatggcct nactcttacn atgtgattgc ctatatgncc tctnnacctt gaatacntnt 300
gntatncnan ncanagtnct aaaggatgnc natnatagca gcnctctttn naaataagga 360
aacntccttg aataatgtaa aagcctcata tacaataatg aataataaag aataatgtga 420
aggcttcatt caaggttgnn gtttgccaga tcattgcaac aaaatgacag agcanccaac 480
gtatttanga tagtggccaa agtattgtaa tgatggctta tggagtgtca gctggataaa 540
gagtgaaaat gactaaaaac taatggattg ttcagtcgaa tagcanatgg tcaatggtca 600
tggccagtat aataggggga cccaaatana aattggaaga cccagtcana agtggggant 660
tgatcaattc canccaaaag tgggaatggg caggggaatc ggtaggcccc anggttccaa 720
aaatgttacc agnggncaat tttgttggcc ccatggtggg gaatccaang gc 772

<210> 4970
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 4970
ttcnaatagc tnggctcttg ttctttttgc aggatccctc gattcgaatt cggcacgaga 60
gtggctggat aaaaggatgt gtgggaaaga actgagttga aattaggagt tagaatttta 120
ttctttggta ctaaggaatc attgaagatt ttaaaattag ggctgacata atcagatttg 180
agtttgggaa cctatagttt gggactggag gaagacaggt gccagacacc agttaaaaag 240
ctgttatttt ctaagcagta gacaaaggtt tacactgaca atagctgtgg agatagagaa 300
aagctgcgag atttcagagt tttccaaggt gtaaacaact aaattttgtg atcaaaatga 360
taagggccat ctaataagct ggggaatgtg ggatctgtct tggttgagtt ggtggattaa 420
ctgagattaa cagagctgga ggaaatgtaa aaagaaaggc aggattgttc attttgtctt 480
ttgtttgttt tggggaacag ggtcaaaatt ttcattctgc ataaggtagg tttagtcttt 540
ttcaaaacat tctagtaggc aagtctgtag ctgaatcttg gaagaaaggc aaccatagta 600
atatttttga gttcctactg tttatttttt caataaaaac tcaggttctc aggttagcag 660
atcatggtct taggaaggta gctgtagaac ccaaaatata aattcctaan 710

<210> 4971
<211> 710

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 4971
ttcnaatagc tnggctcttg ttctttttgc aggatccctc gattcgaatt cggcacgaga 60
gtggctggat aaaaggatgt gtgggaaaga actgagttga aattaggagt tagaatttta 120
ttctttggta ctaaggaatc attgaagatt ttaaaattag ggctgacata atcagatttg 180
agtttgggaa cctatagttt gggactggag gaagacaggt gccagacacc agttaaaaag 240
ctgttatttt ctaagcagta gacaaaggtt tacactgaca atagctgtgg agatagagaa 300
aagctgcgag atttcagagt tttccaaggt gtaaacaact aaattttgtg atcaaaatga 360
taagggccat ctaataagct ggggaatgtg ggatctgtct tggttgagtt ggtggattaa 420
ctgagattaa cagagctgga ggaaatgtaa aaagaaaggc aggattgttc attttgtctt 480
ttgtttgttt tggggaacag ggtcaaaatt ttcattctgc ataaggtagg tttagtcttt 540
ttcaaaacat tctagtaggc aagtctgtag ctgaatcttg gaagaaaggc aaccatagta 600
atatttttga gttcctactg tttatttttt caataaaaac tcaggttctc aggttagcag 660
atcatggtct taggaaggta gctgtagaac ccaaaatata aattcctaan 710

<210> 4972
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 4972
ttcnaatagc tnggctcttg ttctttttgc aggatccctc gattcgaatt cggcacgaga 60
gtggctggat aaaaggatgt gtgggaaaga actgagttga aattaggagt tagaatttta 120
ttctttggta ctaaggaatc attgaagatt ttaaaattag ggctgacata atcagatttg 180
agtttgggaa cctatagttt gggactggag gaagacaggt gccagacacc agttaaaaag 240
ctgttatttt ctaagcagta gacaaaggtt tacactgaca atagctgtgg agatagagaa 300
aagctgcgag atttcagagt tttccaaggt gtaaacaact aaattttgtg atcaaaatga 360
taagggccat ctaataagct ggggaatgtg ggatctgtct tggttgagtt ggtggattaa 420
ctgagattaa cagagctgga ggaaatgtaa aaagaaaggc aggattgttc attttgtctt 480
ttgtttgttt tggggaacag ggtcaaaatt ttcattctgc ataaggtagg tttagtcttt 540
ttcaaaacat tctagtaggc aagtctgtag ctgaatcttg gaagaaaggc aaccatagta 600
atatttttga gttcctactg tttatttttt caataaaaac tcaggttctc aggttagcag 660
atcatggtct taggaaggta gctgtagaac ccaaaatata aattcctaan 710

<210> 4973
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 4973
tcttttcnaa tcnnntggcn cttgttcttt ntgcaggatc cctcgattcg aattcggcac 60
gagagtggct ggataaaagg atgtgtggga aagaactgag ttgaaattag gagttagaat 120
tttattcttt ggtactaagg aatcattgaa gattttaaaa ttagggctga cataatcaga 180
tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga caccagttaa 240
aaagctgtta ttttctaagc agtagacaaa ggtttacact gacaatagct gtggagatag 300
agaaaagctg cnagatttca gagttttcca angtgtaaac aactaaattt tgtgatccaa 360
atgataaggg ccatctaata ngctggggaa tgtgggatct gncntggctg anntgntgga 420
ttaactgaga ttaacanagc tggangaaat gtaaaaagaa aggcacgatt gntcatttng 480
tcttttgttt gttctgngga accagggtcn aaatttccat tctgcatnan gtncgntnag 540
tccntttcaa aacattctta cttangcaag tcctgtcnct gaatcttnga aagaaaggca 600
ccntnnctaa tatttttgag ttcgctactg nttaatcttc cccaattaaa acctcacgtt 660
ctcnaggttn cccacaacat ggcccttacg gaangctngc ttgtcncaac ccaaaactct 720
cacattncct taaacntttt nccccatttg gggcn 755

<210> 4974
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 4974
tcttttcnaa tcnnntggcn cttgttcttt ntgcaggatc cctcgattcg aattcggcac 60
gagagtggct ggataaaagg atgtgtggga aagaactgag ttgaaattag gagttagaat 120
tttattcttt ggtactaagg aatcattgaa gattttaaaa ttagggctga cataatcaga 180
tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga caccagttaa 240
aaagctgtta ttttctaagc agtagacaaa ggtttacact gacaatagct gtggagatag 300
agaaaagctg cnagatttca gagttttcca angtgtaaac aactaaattt tgtgatccaa 360
atgataaggg ccatctaata ngctggggaa tgtgggatct gncntggctg anntgntgga 420
ttaactgaga ttaacanagc tggangaaat gtaaaaagaa aggcacgatt gntcatttng 480
tcttttgttt gttctgngga accagggtcn aaatttccat tctgcatnan gtncgntnag 540
tccntttcaa aacattctta cttangcaag tcctgtcnct gaatcttnga aagaaaggca 600
ccntnnctaa tatttttgag ttcgctactg nttaatcttc cccaattaaa acctcacgtt 660
ctcnaggttn cccacaacat ggcccttacg gaangctngc ttgtcncaac ccaaaactct 720
cacattncct taaacntttt nccccatttg gggcn 755

<210> 4975
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 4975
tcttttcnaa tcnnntggcn cttgttcttt ntgcaggatc cctcgattcg aattcggcac 60
gagagtggct ggataaaagg atgtgtggga aagaactgag ttgaaattag gagttagaat 120
tttattcttt ggtactaagg aatcattgaa gattttaaaa ttagggctga cataatcaga 180
tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga caccagttaa 240
aaagctgtta ttttctaagc agtagacaaa ggtttacact gacaatagct gtggagatag 300

agaaaagctg cnagatttca gagttttcca angtgtaaac aactaaattt tgtgatccaa 360
atgataaggg ccatctaata ngctggggaa tgtgggatct gncntggctg anntgntgga 420
ttaactgaga ttaacanagc tggangaaat gtaaaaagaa aggcacgatt gntcatttng 480
tcttttgttt gttctgngga accagggtcn aaatttccat tctgcatnan gtncgntnag 540
tccntttcaa aacattctta cttangcaag tcctgtcnct gaatcttnga aagaaaggca 600
ccntnnctaa tatttttgag ttcgctactg nttaatcttc cccaattaaa acctcacgtt 660
ctcnaggttn cccacaacat ggcccttacg gaangctngc ttgtcncaac ccaaaactct 720
cacattncct taaacntttt nccccatttg gggcn 755

<210> 4976
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4976
cntttctttt tnnaaccntt tgcctactcg ctcnttttgc aggntcccat cgattcgctg 60
gttttgattg gtcagattct tttttcacta gcggcggttt ttcttttatg tcttgttata 120
aagaagtatc tcattggacc ctattatcgg aagctgcaca tggaaagcaa ggggaacaaa 180
gaaatcctga tcttgggaat atctgccttt atcttcttaa tgttaacggt cacngagctg 240
ctggacgtct ccatggagct gggctgtttc ctggctggag cgctcgtctc ctctcagggc 300
cccgtggtca ccgaggagat cgccacctcc atcgaaccca tccgcgactt cctggccatc 360
gttttcttcg cctccatagt ttctctggcg gcgctggtcc tgtctctcat tctgccgagg 420
agcagccngt acatnaagtg gatcgtctct gcngggcttg cccaggtcan cgagttttcc 480
tttgtcctgn ggagccnggc gcgaagagcn ggcntcatcc tctcnggagg tgtaccctnc 540
nttatacttg antgtgacca cgctnancct cttgctcgcc ccngtgctgt nnaaaagctn 600
cnaatcccga agtgtgtgcc cngacccgaa gaanccngtc cancctttga tggcttcnna 660
gatgattgga cccntggaaa ngggaacctc ttcnnggnga actnaancgc nttaaaatng 720
ccananaanc ngctnccttt ctcggnaacc nncncccchc n 761

<210> 4977
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4977
cntttctttt tnnaaccntt tgcctactcg ctcnttttgc aggntcccat cgattcgctg 60
gttttgattg gtcagattct tttttcacta gcggcggttt ttcttttatg tcttgttata 120
aagaagtatc tcattggacc ctattatcgg aagctgcaca tggaaagcaa ggggaacaaa 180
gaaatcctga tcttgggaat atctgccttt atcttcttaa tgttaacggt cacngagctg 240
ctggacgtct ccatggagct gggctgtttc ctggctggag cgctcgtctc ctctcagggc 300
cccgtggtca ccgaggagat cgccacctcc atcgaaccca tccgcgactt cctggccatc 360
gttttcttcg cctccatagt ttctctggcg gcgctggtcc tgtctctcat tctgccgagg 420
agcagccngt acatnaagtg gatcgtctct gcngggcttg cccaggtcan cgagttttcc 480
tttgtcctgn ggagccnggc gcgaagagcn ggcntcatcc tctcnggagg tgtaccctnc 540
nttatacttg antgtgacca cgctnancct cttgctcgcc ccngtgctgt nnaaaagctn 600
cnaatcccga agtgtgtgcc cngacccgaa gaanccngtc cancctttga tggcttcnna 660

gatgattgga cccntggaaa ngggaacctc ttcnnggnga actnaancgc nttaaaatng 720
ccananaanc ngctnccttt ctcggnaacc nncncccccnc n 761

<210> 4978
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4978
cntttctttt tnnaaccntt tgcctactcg ctcnttttgc aggntcccat cgattcgctg 60
gttttgattg gtcagattct tttttcacta gcggcggttt ttcttttatg tcttgttata 120
aagaagtatc tcattggacc ctattatcgg aagctgcaca tggaaagcaa ggggaacaaa 180
gaaatcctga tcttgggaat atctgccttt atcttcttaa tgttaacggt cacngagctg 240
ctggacgtct ccatggagct gggctgtttc ctggctggag cgctcgtctc ctctcagggc 300
cccgtggtca ccgaggagat cgccacctcc atcgaaccca tccgcgactt cctggccatc 360
gttttcttcg cctccatagt ttctctggcg gcgctggtcc tgtctctcat tctgccgagg 420
agcagccngt acatnaagtg gatcgtctct gcngggcttg cccaggtcan cgagttttcc 480
tttgtcctgn ggagccnggc gcgaagagcn ggcntcatcc tctcnggagg tgtaccctnc 540
nttatacttg antgtgacca cgctnancct cttgctcgcc ccngtgctgt nnaaaagctn 600
cnaatcccga agtgtgtgcc cngacccgaa gaanccngtc cancctttga tggcttcnna 660
gatgattgga cccntggaaa ngggaacctc ttcnnggnga actnaancgc nttaaaatng 720
ccananaanc ngctnccttt ctcggnaacc nncncccccnc n 761

<210> 4979
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(850)
<223> n = A,T,C or G

<400> 4979
ntcnttttgt ttttcaancn attngcctac ttgttcnttt tgcaggatcc catcgattcg 60
ctggttttga ttggtcagat tctttttttca ctagcggcgg ttttttcttt atgtcttgtt 120
ataaagaagt atctcattgg accctattat cggaagctgc acatggaaag caaggggaac 180
aaagaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac ggtcacggag 240
ctgctggacg tctccatgga gctgggctgt ttcctggctg gagcgctcgt ctcctctcag 300
ggccccgtgg tcaccgagga gatcgccacc tccatcgaac ccatccgcga cttcctggcc 360
atcgttttct tcgcctccat agtttctcct ggcggcgctg gtcctgtctc tcattctgcc 420
gaggagcagc cagtacatca agnggatcgt ctctgccggg gcttgcccag gtcagcgagt 480
nttnccttttg ccctggggag cccgggcgcc aantagcggg cgtcatctct cnggaaggtg 540
taccctccnt atacctgagn ngtgacccnc gcctnaagcc cttcttgcct cgcccccccg 600
tnccttttcgn aanannncttn ncnatccncc aagggttgtn nttgcccccc aanaaccccg 660
gnancanaan ccgggtnccc aancccnttc ttnaannggc ctttcgggcn anattcnaan 720
tggggccccc ctcngnnaaa ngggnnaaan nccttcttnt nnggnggaaa tattgaaacc 780
nccttnaaaa natgggnccc nnccnacctc gctccctttt tntggggcaa aacctnnngc 840
cacccntncg 850

<210> 4980

<211> 1523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1523)
<223> n = A,T,C or G

<400> 4980
ggggggngn ngcgnngntn gggggggggg gttnttcnnn nnnnntggng acacccctttt 60
ttttnggggg ganaaaaacc cnnggngagg ngcgngnggg ggctngnggg gannnctggn 120
nngngnggggg ngggggggcn ggnntggagn ngngnggngn cncgngngng ggcgnngnnc 180
gnggnggggng gggnggggggt nnttttttttt tnggggnncng ngaggggggg ancnaggcgg 240
nnggggggggg gggggggggnt ggngttgcnn ggggnggagg ggggnggggag gnngaagggg 300
aggnggcggg gannggcggg cagnggaggg gggncgnggg ngggtggcgn ggnggnggcg 360
ggngngnggn gccgnnttnn gggnngcgcg gcgnctnggg cgccggcggg gangngcgcg 420
gncgtgngag ggnagacggg agncgnggca nngagctgnn gtcnggngcn gggcggggcg 480
nagngagnag gctcnatngg ggggnggcgg ggngtgnggn ggggncnncg aggngggggga 540
nnaggcgtng ggcnggntcg nnggngcggg ggcgancggg gagnntgngg ngggggccag 600
gngngggngg ggggncgggn ggggngnatc gcnnngcgnt gacggngtgn ncgggnccgg 660
cngggcgcgc gngancncgg gaggaacgnc gcangggggn cagtggtngn gngccgangt 720
cngtgtngng cgagnggngn gagagggagn gnngntgggt ggggncgagg ggatggccga 780
gngtcngnng gggggaggng gnggngnngn nngagggcgn tngnntggct nngggggccc 840
aggngcnggc nnngcgnggn aggggngnnn gggnaggcgg gcntgggntg gccaganagn 900
gnnctggggg ggntagagng cggngnnggg gnnnntgnng agacgggcng agcgggcggg 960
nggcgggcgn gngngngcgt gnnagagcgn gcgggngcgn gtgngnccng gcggncngnn 1020
gcagaggngg gacacagcnn cggagngngg tgnatgnnga gangagngng nnnngtggcg 1080
nacggttagc gggcngcgng gagagngagg tgncgntggg ggagcnntcg cgngctagag 1140
aggcngcggc gnngngatag gngggggnnga gcntgngnng ganncggatc tagggagcgc 1200
gagtgggngg nggtngacgn gaggggggnng tgntnggaga gngggngagc cgngngcngn 1260
tgtagagagn cagnggcgtg ccgngtgggc anagggcgng tgcnncngta ganatggntg 1320
nngcnctgcg gcgngcgagg cnntaggnng ngtgnngngg gangagcgng tgtgggcgng 1380
cgcgnnggggg ggcggcngag tgacgntnng cgcgatngnn nggccnccgn ngcggncgca 1440
gangngangg gngnngcnnn cgcgnggaga nngnnaggna cagggcgagg gangcgangn 1500
gntgtgtgnn aggngcggnn ggt 1523

<210> 4981
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 4981
tnttctcnnc tgnaaccctt tttctaaagn ccctttgca ggatcccatc gattcgggag 60
aactgctcac tccttttccc tccccataca aactcaaagt cctttgggcc ccaattcaga 120
gttatgtttt ttttggcaca tactagaaag gcagtgcctc agcccttccc tgaatccatg 180
gaggtgttct gtttgggget ttttagactg ctgctgctca gctggttgct tgaactgaca 240
gtaggccagc ctgttctctg ccattcccta gtcatcctgt gcctcaccac agcttgctta 300
gagcaagcct tttctcagac cttaggcaca gcctctcctc tttacctgat caatgttaaa 360
tgtaagcacc cctgatccca ggacataagg aaagatgccc aattgtactt ttgttctata 420
gcctgtgaaa tggctagttg atcatttttc cacaaagaat taggtgttaa gagttttcct 480

tcaggcttta cttaggagaa tggactaagc tgaaggtgta cttcaccagc aagagtcaac 540
tctagaattc aggatgttcc ttctattggn ttcttagcca tctgtcagga aatgtaaact 600
ttggttttat tttttggctt atnccaaagg ggtaaanccn gaanatagaa aatggataat 660
tttctnattn aatagcngaa nccttttca atctccaaat atataanggn gccncntctn 720
ttnaaaagct ctaagcctaa agtcaagagc taggant 757

<210> 4982
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 4982
gaggnnttga agccntttta tagatacagg ctacttgttc tttttgcagg atcccatcga 60
ttcgctctcc cgggcttaga aggcccggct actgacgcgc agtgccagac cttacccctc 120
acggncctta agtctcggtc gccctcgcct cgcagcctgc cacccgcgct cagctgcccg 180
cctcctcagc cagccatgct ggagcatctg agctcgctgc ccacgcagat ggattacaag 240
ggccagaagc tagctgaaca gatgtttcan ggaattattc ttttttctgc aatagttgga 300
tttatctacg ggtacgtggc tgaacagttc gggtggactg tctatatagt tatggccgga 360
tttgcttttt catgtttgct gacacttcct ccatggccca tctatcgccg gcatcctctc 420
aagtggttac ctgttcaaga atcaaagcac anacnacaag aaaccanggg aaagaaaaat 480
taagaggcat gctaaaaata attgaggttt tcatgattca gcacctgctt ttgnttctgt 540
gagatgagct aaatttgctt tcatacccca gataagagct taaaacccac ctaatgctct 600
tatggcacaa ctggggtata gaatttaagt tctctttata cttcaattct agcccaantt 660
gggttttgat taatataagt ngtttaaacc ttntcttnat aacttgctct gaaatgggga 720
acaaaant 728

<210> 4983
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 4983
ggnnnnnnnn acgctatgct ggctcttgtt ctttttgcag gatcctcga ttcgaattcg 60
gcacgagcta ggatgacatc tggtgtattg actgtggcca gtcttaaagc tagtttttgc 120
tatgtggaac atgctgctct aattcagatt taaagagttt cttcctgtta attcgaagct 180
cactgtgcct cttgtttccg agggaagaag gactgattaa gtcatctaaa tggatgcaat 240
actgaattac aggtcagaag atactgaaga ttactacaca ttactgggat gtgatgaact 300
atcttcggtt gaacaaatcc tggcagaatt taaagtcaga gctctggaat gtcacccaga 360
caagcatcct gaaaacccca aagctgtgga gacttttcag aaactgcaga aggcaaagga 420
gattctgacc aatgaagaga gtcgagcccg ctatgaccac tggcgaagga gccagatgtc 480
gatgccattc cagcagtggg aagctttgaa tgactcagtg aagacggtgg gtttctcgct 540
gggtgcgacg tgaatttgtg aagctcanga tgcccatgga ttagactcat gtagtagctt 600
aaagagtcat taggcgatag ganggagaaa ccaagaagtt agcagaatct ggatataatt 660
cantgtccgt aaatcccatg aagagaagct catcagaatt aaggcaatgg aatttgtgcc 720
caaaaaaaaa aaaaaaaaaa actcggn 747

<210> 4984
<211> 1195
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1195)
<223> n = A,T,C or G

<400> 4984
gggnnnnnnn nnnnannann nannnnngnn ngnnnnannn nnnnncnnnn anannancnn 60
nncnannnna ggnngaggag nangannnnn ancnntttna nccccentttt ttnnctaaaa 120
aaagnaccct tggggttaaa ancncccent tgnnccccnn aacacgagaa aaaaggggag 180
cnggggggng gnnnnagnng nannnccnnn nnncnncnng nncacnaggn cnggagcnaa 240
gaagnnaacn ttttntanca ngnnaanccn atnncncnna nagcanccnc gggggggaaan 300
cnggaagacc ncncnnnggg nnnaannana nnancnanca nnngngagca aacanngana 360
nnnannnggc nnaagcnaac ncnnannnna nncccagnca cgnnncncnn gnncnnnann 420
nannaccnac ancncnnnng acnnaagaan nacgncaana aacgnannna cncnancnca 480
gnacnnagcn nnanaacacc canncanaac caaaaanann ncnatngcnn nnnngnnann 540
nccnnnncaa nnnnncnnnn nccgcnnnna nancnnncan ncagncacan ncgcacancn 600
ancnccanna gananngccc aancnnaann ncannaggnc annnacntna aggcanacan 660
acngnncagc acncnnanac gangccnnag nganccacac anncgnannn cnnnnnnnac 720
gnaaananca ngacgngcnn ncangcgnac anaaganana acnnacganc cnannnaaac 780
ancagcnanc annannannn anngcnnncn nnngannncn ngnncgacan acanananna 840
nngnngancc cnnagacnan ngacnaaanc annacganga cangcgngca ncnactcaan 900
nannagnacn cccnanaacn acncnnaccn ncgcngacac naccaaanaa nnaacancac 960
nannaacnga naanacnacc nccgcnnngn ccganccnag cncncnncag ncnnaaccnn 1020
annaccannn ncannncncc cncgagccgn ccngacanac acncagaacc nnnnnacaac 1080
aanacncnca tcanannngn cnnccacnan ntncncacga cnancgcana cnncgacnna 1140
ncnnngnant nncagcgaca gcgnanacnc ntacnngnna acnncnnnnc gnccg 1195

<210> 4985
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 4985
gcaatgtgct ctngtctttt tgcaggatcc ctcgattcga attcggcacg aggccttttg 60
tggggtctca tacataactc agtttccaca aagctgtgcc ccagctcagc cctatggnta 120
gaagcatggt ctggggttcc tttgctgacc agggtgtgtg ctttgtccaa gttactgacc 180
ttcccaaacc tcatcaatgc acataaaaag agcacttgca aacaatgaat ctagacatgg 240
accttcacaa agaaataact caaaatggat cccaggccta aatgaaaaat gaaaaactat 300
aaaactccta gaagataaca taaaagaaga tctagatgac ctagggtttg gcaatgactt 360
tttagatcca gcaccaaagg caggatccag gaaagaaata attgataagc tggacttcat 420
taaaacgaaa acttctgctc tgtgaaagat gctgccaaaa aatgaaaaga caagccacag 480
actgggagaa aatatttttg atggaaatat ctgagaagag aggcttgtta tccaaaatat 540
acaaagaatt tctaaaactc aataatttga aaataaacaa cccaatttaa aaagtgggcc 600
aaagatctta aatgacgcct taccaaagga agatcccngg atggcaaaat aagcntatga 660
aaagatgctt ccnggctggg cacngtggct nacgcccgta atnccancct ttnggatgcc 720
aaggcaggca gatcn 735

<210> 4986
<211> 1497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1497)
<223> n = A,T,C or G

<400> 4986
cnttcnnntt cntgaacctt tttttccnat tccccnntna tctcncgtaa tncccnncan 60
ganttncnnc ngcatcccna cttantntcn tntgngngcn cagaagntnc gngacnnttt 120
tttngccccc canactgcgn gtttntanna ngnnancgcc nngtcngtnn tnncnttgnc 180
nnnnnatatc canncctnnc tnnntnccct ancgcacant ntcncaatan tnnaacgnnc 240
nantnaccct nccnatccac ntcanagtaa aatnctnnca attncancat tagtgnnttc 300
nannacctnn ccgtnnatat ctgnnntcca tccacaaagn ccaatcnnng natcncnntn 360
tnantatncn ntagagnncn ccnnntccca tctatcgnct nnnnnatnct nggaccnnnn 420
tcccatncca nnnngtnann cngantnntg tgncacnnnt gngnncngca tctcaancat 480
catctcgtct cttgacgatn tncttantcg gcgcattagg ntcnatcgnn tantnngntc 540
ancacctant ntaatctcan tntnatcann tctacctatn tcatatcngc canacagtct 600
cnctctaaat ncnncgcann gcncatntat caantcanna nactcntata nctcacatnt 660
ctcnngngnc atntactctc cnagctctgt catttttntc atctntctct ctgatacagc 720
cacntnggaa aactagcnnc tcactcacna tagccnnatc tatacgctcn ctntcnncag 780
ngactcgata natgcgtgcg tgntcnntct atagcnncnn nctcattngc atnananatc 840
tcnntcgcgc nactgttgtc ntcatcttgn nncantacan tgagaagtnt tatatatagc 900
nacnananat atagactcat ctcactacnn angacgcgan gctanactnt acttatanac 960
ctcacnattn gncactntac ttatactntc ncntntntga nacggctnca gtatatcgcn 1020
gggntctcac ttactntnng cncntncact ntcctnngng cnnnnaacag tatntacact 1080
ctatnaatcn canacgncna ctgctccatt ctgnnccaan ntctcntctc gcancnnnnt 1140
nnnnntcgna tnngcncgat cattgncnnn natngngtcn ctctncanna ctnctctctn 1200
gncngccanc cacnnngnag cntctcnnct atnncgatcn tnngncactn antaaacctc 1260
atcacatcnt cntctctccn cncntnnnan atctaccctn ntnttnaatg cntnatgtna 1320
ctccacgant atntcncact ttatcnntnt ccnctntatc gnnnctctnt tancagtctc 1380
nacttattng ctctnnngnc cnacnnttna gcctcnccgn ttnatactcc ntcncnatgt 1440
ccgntccncg nagcnncata ngngnntnnn ntatcntata cgntncanan tcgacnt 1497

<210> 4987
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 4987
tttctaaatg gcttggntct ngttctttct ncangatccc atgcgattcg aattcggcac 60
gagcccagag aagagctttt cagagaaagg tacagacaag aagctagaaa gagtggaagg 120
agcagcagtc ttgcaaggaa gcagggcaga gacacagccc atggcccctc actgccctgc 180
tggaagggct gatggagctc cccgcacatg gttcctgcct gggtgacaga ggctcctgtg 240
gccactttag aagtgcggtt tactcctcat gccgagatgg accttgggca gctcagttca 300
caagatgttg gtcaggcgtc atttaaatat tttcagtcag cagaggaagc aaagcgtgcc 360
attgaggctt gtgctgtcag cggatcctcg gtctgtgtac cgccggaagc tttgccagga 420
ccgccttttc tactttactg tagacatagc gcatgtcact tgctggtttg gtgatggctt 480

tgcagaggtg ctgaggatca agccggcttc tgagcctgtt catatgactg gccctgtggg 540
gtccttggtg tctctggggt cttaaggagc ctcctcatgt ctttaangta gcatcattga 600
tctttggatg tggcttttgg attttctgaa caagctaatg ttgtgtcaaa gaaccaccac 660
tttgtgatct catnggcttt gattgatttg ggcttgttca aaatggttat ttgaaaaaac 720
gtntacnttt aataaaactt ancaaagaga ttntaaaatc ccganaaaa 769

<210> 4988
<211> 795
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(795)
<223> n = A,T,C or G

<400> 4988
ttgtacntct ttttnnaaac ccntngctac ttgttctctt tgcanggatc cctcgattcg 60
ggaatctcct agaaagttgt gattttcgag ccatatcctt ctgtggtaga tcctaatgat 120
cctcagatgt tggccttcaa ccccaggaaa aagaactatg atcgagtaat gaaagcactg 180
gatagcataa cttctatcag agaaatgaca caagcaccat atctggaaat caagaagcaa 240
atggataaac aggacccccc tgctcatccc ttactgcaat gggttatatc aagtaataga 300
tcacatattg tgaaactgcc agttaacagg caattgaagt ttatgcatac tccacatcag 360
ttccttcttc tcagcagtcc accagccaaa gaatccaatt ttagagctgc taaaaaactc 420
tttggaagca cctttgcatt tcatggctca cacattgaaa actggcactc ctcctganga 480
atggtctggt ngttgcttct aatacacgat tgcagctnca tggngcaatg tatggaagtg 540
gaatctatct tagtccaatg tcaagcntat cattttgntt actcagggat gaaccangaa 600
acagaaaggt ntcagcccag gacgagccac cttcaagcng ttaanaagcc agcaattaca 660
ttcacagtcn ccaggaaana aaaggncagn cctatccccc ctttncctgg caaaaggccc 720
gtnaacctta aanaaactgc ctttagccct ttatnntgga aagtggattc ncncttnatt 780
cttggacccc tgncn 795

<210> 4989
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

<400> 4989
ggaatngctt ncnnnngctc ttgtgcnnga tcccntatnn nnngcgccac cgtgcctggc 60
tggacatgtc aatttgaagt gaatggttaa ncatccagct agctgaaagc atggcagacc 120
ctancagaaa agctncagtg tgtttntgca gctatnaagn gaatggnttc ctggggaaaa 180
ttgtgacttt gnntaactgt tgttgaaacc agaataaatt atatttcact tgcatatgca 240
taaattatta aaattttcag aagtcagtga tacagaagta ctatnttgca atgtnaatct 300
gcttgagtct ttggagaaag tggtttcatt gtangtacat agngcactgn taatatttta 360
aacaagtnnt tnactcttcc atntaaggga tagcatntcc ttgtataaaa tgactggatg 420
tgtataaagg aattatgttg tcatgtgcct ttaaccagct ntantcatta ctataatctg 480
atatttatga tanttcnggn nngtgacagg accatatgaa aatntcttat gtcancncat 540
cactttagat tntatnatta tgnacattac tggggtntta nccttttgcta atgtgaagcn 600
ttcttcccta ntaagtctac attaccttnt gctcatttan atcatatatc acnataactt 660
tataantnat ctnanaccnn gcccttgcct nttanacttt cnnncgcnca ttaccgtaga 720
tccngacatg ataagaa 737

<210> 4990
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 4990
tttcntaant gnntnggtnc tcgttctttc tncannangc ncntgcgntn cgaattcggc 60
acgagcccag ccctagatac tggcactact gaggaggatc gtttaaaaat tgatgtaatt 120
gactggttgg tatttgaccc acgcagaggg canaagcact gaaacaaggc aatgcaatta 180
tgagaaaatt cttggcatca aaaaagcacg aagctgcaaa agaagtattt gtgaaaattc 240
ctcaggattc tatagcagaa atctataatc agtgcgagga acaaggaatg gaaagtccac 300
ttcctgctga agatgataat gctatccgag aacatttgtg catcagagct tatttggaag 360
cccatgaaac ctttaatgag tggtttaagc atatgaattc agttccacaa aaacctgctt 420
tgatacctca accaactttt actgagaaag tggctcatga acacaaagaa aagaaatatg 480
aaatggattt tggtatttgg aaagggcatt tggatgccct aactgctgat gtgaaggaga 540
aaatgtataa cgtcttgttg tttgttgatg ganggtggat ggtggatgtt agagaggatg 600
ccaaagaang accattgaaa agaacacatc aaatggtctt acctgagaaa gctttgtctg 660
cccatggtnn gttttctggt tcataccnat attgccaant actggtcaat ttcaggaatg 720
cctacagtta ccantatggn atcctntnag cgccacanac tggacctggt nt 772

<210> 4991
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

<400> 4991
tctatccctt nctcaatccn ttatccngnt ctttgcagga cccatcgatt cgaattcggc 60
acgagaaagc annaaaaaag gaanncacan gnttttntnc ccaaagttgt tttctagatn 120
tgtggctnta anaaaaacaa aacacaacaa acacattgtt tttctcagaa ccaggattct 180
ctgagaggtc agagcatctc gctgttnatt tgntgttgtt ttaaaatatt atgatttggc 240
tacagaccag gcagggaaag agacccggta attggagggt gagcctcggn ggggggcang 300
acgccccggt ttcggcacag cccggtcact cacggcctcg ctctcgcctt accccggctc 360
ctgggctttg atggtctggt gccagtgcct gtgcccactc tgtgcctgct gggangangc 420
ccaagctctc tggtggccgn ccctgtgcac ctggccaggg gaaagccccg nggtctgggg 480
cctcctccna ctgcgcncac tttgcaanaa taaactctcn cctggggttt nnctatcttt 540
ggnnctctna ccctggtnaa gaaacgccaa ngtggttccc naaacgnctn tncttgcaag 600
aacaaaagta ccccccttgcn acccttcctn atgggcntca acgaatntaa gggaagggnc 660
cccccaaggc ccccctttcct ggngttngnc cngntnaant nntttgggnc cngcntttc 720
cnaaacntnt ttatnngngt nccaancccc ttaangccan ngttcccngn ggggaacaac 780
caannggccc ctcaagcccc aanngcccct ttncgggggg ccccccnt 828

<210> 4992
<211> 1499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1499)
<223> n = A,T,C or G

<400> 4992
cancncanca ccanacacac antcncnctt tttcactttt tttttcccca anaaaccgan 60
cncgtttccc ccacngtctc aacccnctac acncngcgcn anncgcnaca caccccgnc 120
aancanccnn nctntcnaca cncncaacta cactncatac actcnctacn ctacncacnc 180
acatacaaca acaccacaca tccncntaac acacanacac caccaccaaa tcnnancccn 240
ccnannnnca acannnccat ncanacacnn acaccacacn ccancaccca cctctnncan 300
ccacacccct atctccncna cacnaccaca ccaccccgca aacnnncgcc ccantcncan 360
tnccncncac anacacacac acancctcac caccnacacc canacacanc ccccnacncn 420
caccacccac cnnnccnccc nnccnccaac actacaccaa cnccnnnatc aanccnacna 480
ccanccanac cnncaccncc cctcnacccc ncaccnnanc acctcacacc cccacccanc 540
nccacnaccc caanccaccc cccacannnc ttntnanana acanccaatn cccccacccc 600
ncancannca ccacnacacc ccccccccct aanccacncn cacccccacc ccncacccct 660
annenacnnc cncccccacna acaaccncac cnacaccnca ccntcccccc catctcntna 720
cncccccgcc tcacccnaac ccacatctnc tcccacanct ccaacacncc ncnanacacn 780
nncacacnca caacaccctc tctcncacnc tacantcann cacatacaca nncatcantc 840
nctnntncnc ccaactncnc actaacctng canccnacnc tcncnctcct caccantcgc 900
acncccacac ccctacccat actcncntcc nntntacacc atnancacac cacacnntnc 960
accacnnccn acnncanccn cnntacancn cncancacca cacctnacgc acaccctnat 1020
ccacancacg accacacncc cctnccacaa accacangac cnncccctac acatntacca 1080
cgncctaaca ccaacnnact ctctaccacg acaatcncct ctcaaaacac nnnatctnta 1140
tancanccca ncacgtcaca cncnctnnaa caaccncaca tccagtcaac atnaaccaca 1200
catncccanc antncatctc acccnntacn actcactcca ctacnccncc tctccnacca 1260
cnccncctcc ctatncaaca ctcancntcn aacactnctc ncccncntcc cnccccacca 1320
cncntccngc atcnncaaca cccacctaca ccancacnnc accncccccc ccnacccaca 1380
catcccccan taccatcaac aaacacataa gcatnccact cccaccanac cacccnatat 1440
actntacncc tctccccaca cncncccccn naccatctca ccccccctcnc cncccncncn 1499

<210> 4993
<211> 1576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1576)
<223> n = A,T,C or G

<400> 4993
gncctccctc ntcttncntt tttgtttttn gtttttccna atcncctttt tcngccacat 60
ttnttgnncn nggnatcccc atncgnnttt cggaatttcg ngccaccgta gtagtanggg 120
tnggggngtn ctgggcccan catnanggta ntcctcntnn tcgngntttc ttgnnctcta 180
nagggngtgt acnnncactn gtctnatggg ccntacgcaa ttctaatcng ttcacnatgt 240
cancancatc atgcnacnct nnnntacttc tgcnaaccta cctctnccnn ttcncaangc 300
cactggacnc tcantcacct nctnnacnac anngntttcc cancncgncc ttcttcattn 360
nnctccatnn cactttnncn cncnctcaca ntcntcccat cnttntccca nccactcnnc 420
cacancctnc ntctaantct tnatcanatn tcactctcat tcatnnttca cccnactgtn 480
nancantccc gnctctacat gtcntanccg atnntcntnc tncaactcat ncannncctt 540
ngcgccttat caaatactcn tacnnactnt taccctactn ntnctntcan cntctactnt 600
ccctctcctc cttctatctc accatacacc tctatcngan cntnncatcn ctatcnncta 660
tccanacnnc tgtnactcgc tntcactctc ntntnttctc tcgcactaac atanntcaat 720
cccanctctc ntacctgtca ntccncagct ctgatctctc ncgtanaact cctactctac 780

tacactntct acnctntctn tacgacacac gncagctcac tctccactac tnctncctnc 840
acncctctcc gagncntnct ctccnnntcn actactatct nnaacgtcgc ttactnacnn 900
tcnctccana ttnagttctc canctgtann catctcgctt tnacactcan cnnnccctna 960
ctcgnactct canactctct cngcnctatc tcacacaatt ccgtnnctcn ancanacacn 1020
acnatacgtn gcttcatncn cntcaagtan attncancat natcnctatn tcttctatan 1080
ctattnngan ncatacnctc atcggcanct cacactctat nanctcnnta cacacccagn 1140
gtcatacntc ttctgcnagt ntcnnncntc gacgcannnc catctcanca ctcananttc 1200
tcacngnacg tacacnccna tctctcnnng ccnccanntg actcatnacc tatctntcna 1260
nctctncgnt ctcnnctccn tctctatcct ctctacnctc tntctcttac gctccncnnn 1320
tcatctaact cntacnntca cnnctctaca tcttcntcat ctcntcntct atanttctta 1380
tcgntnnnta ctncnaccag cntctgctat ccttgcttgn actccncnnc atcgaccncn 1440
ctctcatngn tccacatcnt cntctntnta ctcgtcatca ctctccnacn ccnatatatc 1500
tnttatcctn anancncnnc accgcagngc accactcann tcnnatncnt ntannacnnt 1560
cccacntctg accnct 1576

<210> 4994
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 4994
gnntnnnnnt ttnnnctana cngaatggtt gggttaacgc cctttcnnna ngnagnccng 60
cgntncgaat tcggcacgag gccaaatgcc ggaattcaaa acctggcttt taaaaagaat 120
gnttttgaac aaggcgaatt atatttgaga gaaaagtttg aaaattcaat tgaatcccta 180
agattattta aaaatgatcc tttgttcttc aaacctggta gtcagttttt gtattcaact 240
tttggctata ccctactggc agccatagta gagagagctt caggatgtaa atatttggac 300
tatatgcaga aaatattcca tgacttggat atgctgacga ctgtgcagga agaaaacgag 360
ccagtgattt acaatagagc aagattttat gtttacaata aaaagaaacg tcttgtcaac 420
acaccttacg tggataactc ctataaatgg gctggtggtg gatttctgtc tacagtgggt 480
gaccttctga aatttgggaa tgtaatgctt tatggttacc aagttgggct gtttaagaac 540
tcaaatgaaa atcttttacc tggatacctc aaaccagaac aatggttatg atgtggaccc 600
cagtccctaa cacagagatg tcttgggata aagagggtaa atatgcaatg gcctggggtg 660
tttgtgggaa aaagaaccaa accgtatggg ttcgtgtaga aagcaaccgg cattatgcct 720
tcacatactg ggaagggcca ntgggtgcca gtagtgtccn gctnggccct tccttgaana 780
actggattcn aaagnt 796

<210> 4995
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(815)
<223> n = A,T,C or G

<400> 4995
tnnncnttte ctaatgcttt cctaantggc ntgggttctn gttctttctn caagtatccc 60
ntgcgntncg tataatctgg gggtacagag caaggaagaa gtactttgac tttgaggaga 120
ttctggcctt tgtcaaccac cactgggagc tcctgcagct tggcaagctc accagcaccc 180
cagtgacaga tcgaggacca catctcctca acgctctgaa cagttataaa agccggttcc 240

tctgcggcaa ggagatcaag aagaagaagt gcatcttccg cctgcgcatc cgcgtcccac 300
ccaacccgcc agggaagctg ctgcctgaca aaggactgct gccaaatgag aacagcgcct 360
cctctgagct gcgtaagaga ggaaagagca agcctggttt gttgcctcac gaattccagc 420
agcagaaaag gcgagtttat agaagaaaaa gatcaaagtt tttgctggaa gatgctattc 480
tccgagcttc gcaatgccgc taaggacnac aagaagaaga angacgctgg aaagtcggcc 540
aagaaagaca aaagacccag tgaacaaatc ccggggcaag gccaaaaaga agaagtggtc 600
caaaggcaaa gttcgggaca agctcaatac ttaatctttg tttgacaaag ctccctatga 660
taaactctgt aanggaagtt cccaactttt aaaccttata acccccanct tgtggnnctc 720
ttgagaagac ttggaaagat tccnagggtt cccttgggcc aggggccagc ccctttaagg 780
agcttccttt aattaaagga ccttattcaa aaccg 815

<210> 4996
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 4996
tnnnncnttg acggatcttn gcagnactna acggcaantt ccctcttttt gcaggatccc 60
atcgattcga attcggcacg aggagtaagg gcaggggcct aanaaacagn ttttgttggg 120
tcttgaggca aaaaaagaag aaaatcttgc tgattggtat tctcaggtca tcacaaagtc 180
agaaatgatt gaataccatg acataagtgg ctgttatatt cttcgtccct gggcctatgc 240
catttgggaa gccatcaagg actttttga tgctgagatc aagaaacttg gtgttgaaaa 300
ctgctacttc cccatgtttg tgtctcaaag tgcattagag aaagagaaga ctcatgntgc 360
tgactttgcc ccanaggttg cttgggntac nagatctggc aaaaccgagc tggcanaacc 420
aattgccatt cgtcctacta gtgaaacagt aatgtatcct gcatatgcaa aatgggtaca 480
gtcacacaga gacctgccca tcaagctcaa ncagtggtgc aatgtggngc cgttgggaat 540
caagcatcct cagnctttcc tacgtactcg ggaatttctt tggcaggaag ggcacanngc 600
ttttgctacc atggaaaagc aacggaaaag gcttgcanat cttgacttaa atgctcagga 660
tatgaagaac tccggcaatn cngnngtnaa ggaagaagac ggaaangaaa aattcaggan 720
gagacttnca ctccatagaa gctttattct gcc 753

<210> 4997
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 4997
tggtttanat cnngctcttg ttctttttgc aggatccctc gnttcgaaaa attttatgga 60
cttctatgga tatttcttga tgcttagaga tttgtttttt taattgcaaa tgtgaattgt 120
ctatttacaa atgctattac atatggagcg ggcctgtggt gtatggcact attccttgga 180
ctaatggtac ccaggttcca ttctctgctc agctcggtgg ctctagacaa agcccctaaa 240
atgctgtctg cttcagtctc cttaatggtg aagtggaaat gaatacctac tgtcacttaa 300
ctcatggaga tgctggactg ataattagat catgtaagag cactttgagc tgtattgaaa 360
aatatgttgt ctcaaattaa gtagagtcta tggttttgta aatataaata tattgccaga 420
aaatacatca ctgggggagc aaaacatgta gaccaaatat aacagggatt agtaacatca 480
gtaaacatag ttgggaaaag atggcactaa agaaagccaa gaagaaagtg ttgctcttgt 540

aaaccaaann aaaaaaaaaa aaactcgagc ctctagacta tagtgagtcg tattacgtag 600
atccagacat gataagatnc attgatgagt ttggacaaac cacacctaga aatgcatgaa 660
aaaaaatgct ttattnggga aatttgggat gctatngctt tatttgnacc c 711

<210> 4998
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 4998
ngntttannt attnncnttg cgctttgnga acttccngca nganttcgcg attcgctgaa 60
atgtcanaca cggccaccta ggcagcattt acaagcaaga nttttctgct nttttgatgt 120
atatcttaag cgcccccagt gaatgaacag catataactc cacataaaaa tcattaaatg 180
taattgactt ccagagcagg cagntctgtt gtatgcctct ggagaaggct ggctgaattg 240
gaattggnct gtaccttctg cctatcatgt acatgaggct tttgggcaaa gagaactttc 300
cacaaaataa gtccaaaaat tatagatcat cagacaacca ataacatatt gatgagatat 360
ctccaagatc tagaancgtc ctgggtgtca aggaagtcnt ttggggtttt tacaaatatt 420
gataatgcac tttctataaa atgcactttt tataaaaatg catgctcant tgagacaact 480
tgaaaaacac naagaaaagg cccgggccgt agtggctcac gcctggnatc ccagcantct 540
gggaggccna aacggggtgg atnaccgaag gtcangagaa ntgagaccat cctggcnaac 600
atggngaaaa cccccagact ctactnaaaa aatacataaa aattancang gtgtangntg 660
ncggggcgcc natnagnccc antctactna aggaggcctg aagcaggaag aatggggtgg 720
acccnnggaa nacngaacct tgcantnaac cggnnatccc gncactggna cctatagnct 780
gggngg 786

<210> 4999
<211> 1251
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1251)
<223> n = A,T,C or G

<400> 4999
acgagggggc tnccccttt ttttngnaaa aaaaaacccc ccnttttttt ggggggggna 60
aagnttgggg gggctttttc cnaaaaancn cccntttgg gcanaaaaaa nnnccennnc 120
nnacccnnna ccannnnnca nannnnggggg gcncncncgn nncnacancn cggccacnan 180
cnnanancng gngtggntca cannannacg gnnggggggnt cnccanccac nnnggtnct 240
ctatcncggg gngcgggggg ccncnggggn nncgngnatc accntggggn ggncncncac 300
ccgggggggn ncnccnngcn gngccaccca taggggggnc anaatggnng ccccnnncgn 360
nncacancca aggnngcaca cntanccccnn annacaccnc ccacacctnc tncnanaacc 420
nannnacana ncnncnnacc naacncnacc cancanccac ccccaccnnc ncncncaccc 480
acnacncaac ccctccancn accncccnan aacaaannnc ccccnacant cnnnccennc 540
nnnaacncnc nancccnnac aancccccatt nnaccnanac ncncanncna ctaanacnct 600
nnccacnnna canaaactnt nnacncancc acncnacccc cccncaaccc caccccccaac 660
nanacncncc tccccccatac cacaacacnt nccanctnac ccctnaaacn anancaaaca 720
tanaaancca cnccaccnca acccaccaac acnnctaann ccaccaacan aaaccnccac 780
cacanacnac cncataccan cnnnacacna tcaccnnacn acaccanacc cntactncac 840
cnntcnatct cnnnncatnc nctancacna cacnnnaacc tcacacacnn catacccccan 900

cannacacan tctatacanc nnctcaacna cccncacatc ctattactnn acancacncc 960
natnctcnaa ncnncncaca anacncnacc aacacncaac catctcacat ctncacncna 1020
acnacancan tctcncccaa cacaaatcnn cnccnaacnc tccncanacn tacancatac 1080
acacnnacta caacgcncca ccccnctctc ncaacacnca cnntcatnna cncacntccn 1140
anacnctnnc acaactaaca tncccacnan acacacnana nacacaccca nnncaccann 1200
acaccnaacc ntcacaccac nactactnnc aanctnnncn cacatnncnc c 1251

<210> 5000
<211> 787
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(787)
<223> n = A,T,C or G

<400> 5000
gnttttccta ggnatnnctt tggcacttnc tctttttgca ggatcccatc gattcgaatt 60
cggcacgagt cgagtttttt ttttttttt ttcacttttt aatacacttc aatggttttt 120
aatatattca cagttgtaca actatcacta gacaaaatat ttttatctgt atgaagtgct 180
gtgtgtatca tggggccaag tcaggggaag acaggagttt accaggggaa gaaatgcatt 240
ccagggaaag agaacaaatg tgcaaaaaga cggaattctg aaatgaccta gcatttgcat 300
aatatgaaac tgcaggggga ggtaggctag agtttatagt gaggaaacaa ttgggctagt 360
ttacaaatga ggaatctgaa gctcaaatag atgaagtaac tggcataagg caattatctt 420
atgctaactc aagaaaaggt gtctaaggca ggggtcccca accttggtgc catggactgg 480
gtactgtggc ctgttaggaa cccggctaca cagcaggagg tgaggagcag gcaagcatta 540
ctgcctgagc tccacctnct gtcanatcaa ccggnggcat caaattctca tcggaacttg 600
aacccttatt tttgaactgc ncattgttan ggataggttg cattgctccc ttatgagaaa 660
tctaacctaa tggcccggat gaatttgang gggaaaaaaa atttcaatcc ttgnaaccac 720
ccccccnaac cttgtttggn gggaaaaaaa nagnctttcc nntnnaaacc cggnccccctg 780
gggncct 787

<210> 5001
<211> 900
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(900)
<223> n = A,T,C or G

<400> 5001
nggntctttt gnaatttcta acacctgctc tttctaatnn ttggaatccc tcgattcgaa 60
ttcggcacga ggnaanaacn gctctggaga aggccacgac annncanaga nntcaagtna 120
gaaanccacc agnctaactn naggattnag nancctnnnn ancgcnntna ggnncaatga 180
ggctgacctt gaggctcttg gnagggaaca cttgncggca cnnagctctt gtgcgtnctn 240
ggtcactttg ntcntatcca ttctctgaca ccccagttnn nattaancac ccnanntnag 300
antntctgcn nggtgccngg cnnnttntta cnnangccct tctncnttnt tcnncannat 360
ccnccnnttt ccntnatcnt ttggntcgga tanannnttn ctngnaancc nttngntttt 420
ctttnancan tnattctnna ncccaaaatt tgcttttnn gtcttcttgn atttttcnct 480
naattgccct ttcnatctcc tttnatnttn atcccntttt ntttttccct ngcntttncc 540
ttcatacngt nttccctttt nttnntgccn atnttncaat nggcncctac ttttatcccn 600
ttnngggctt ttttgtccnc ttnnttttt tcttccnant tcctccctta tttctcnacc 660
ctntataacn tacntnatct ttctctaaat tncccennt tcttctnttn ttntccctnt 720

```
ttttttgtcc ancntacata cttcnntnnt tttnggantc tcnncctatt tntntcngnn    780
tcaatctatc tatcccnntn tncnnttnct ncnttncnnt ntcnnttcta tnntnnttct    840
nttattnncn tntnctntta gttnntcttt tacntactan nctttttcnn tttntnnncg    900
```

<210> 5002
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 5002

```
gtnnctaaat ggcnggcctg ctcgttnctt tctcgcagga ncccnncgan tcgaattcgg     60
cacgaggcgg nncggtccng tacatggctc tgtntgtcac aannnnacgc nntgnntgcc    120
cgttcncnat acnatagtgn ngctntgtcc aaatcntgga ctctgccctc natgaacttg    180
tgctatccag atgaccnngc tacatcactg nttgctncnn gtactngcan nnnncacgna    240
atgtggnant gnatgganac gntgaacctt ttcnnactat ngcccntnct tntgnaatca    300
nnataaccct gtttggnact nttntngggc tnctattcct ggctgnggtn tgnctnacac    360
tgaccaangg gcctgtgctg tananatgcn annntnntnc agngntncct ngtnactntn    420
ntaaggcnna tttnatntga nantnatgca cnattngccc agtgagcnnc nagttcagng    480
nncgcannat ggngancgcn gtgcttancc nagntctgtg nnaggctatg cccatntcaa    540
ggcntgcatg gaactatgat ggnnncannn nattcnangc ngtgtgncng aatgagatcc    600
tngcacaagg atatcatncn tncagtnatg gctgtncaac tctggantct angcatgttc    660
cgannntgan ggnancagat tnantgngac cctgactggt gcnnngnanc ngnacattga    720
aaaccngccg ctgc                                                      734
```

<210> 5003
<211> 934
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(934)
<223> n = A,T,C or G

<400> 5003

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nggnnnnttt naaaattctt natatacngc tacttttcaa atnnttggat cccatcgatt     60
cgctggcggt aaggctggaa agggactccg gaaaggccaa gacaaaggcg gtttcccgct    120
cgcagagagc cggcttgcag ttcccagtgg gccgtattca tcgacaccta aaatctagga    180
cgaccagtca tggacgtgtg ggcgcgactg ccgctgtgta cagcgcagcc atcctggagt    240
acctcaccgc agaggtactt gaactggcag gaaatgcatc aaaagactta aaggtaaagc    300
gtattacccc tcgtcacttg caacttgcta ttcgtggaga tgaanaattg ggttctctta    360
ttaaagggtt cnattgctgg tggtgggggt catttcncac atttcccnaa tnttttgaat    420
tggggaanaa aaggncccc cnaaanantt gtcttaaaag gattccctgg gatttccttg    480
ggtatcttca aggacttctt naaatacctc tttaacaagc ttgtnccaaa tggtttgggt    540
ggaattncca nttgggacct tggtattctt cttggtggna aaaaaccacc aaatttttgg    600
ccctttttt gggnaaattc cttaattttg gaagccnaaa tttggggaaa agnttttaaa    660
atttaagncn tttttcccaa acccaaaacc cnaaaatttt cttggccant ttccnaagtt    720
cntttaaanc cntttntttt naaaaatngg ttnaccttgg gggggctttt cnaaaaggaa    780
aagccttntt tggaanttct tggaaaantt aattgggggg ttttttggaa tttggaaatt    840
ttggacctgg gnttttttna aaaaaaacct gggtttnggg aatttttaaa attggnggaa    900
ttncncnaaa agtttnttng gtnaanccaa accn                                934
```

<210> 5004
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 5004
ttnnnnnncn cagcttcnng ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
ncnngatggn nntgaatgnc angnntatnn cagatgagac aagnganaca attgtgtccn 120
tgtantctnt nnggngncnt ngntgcnggn gaaacatnaa ctatnggcan gntaactgna 180
cancntagac ccanngatnc nangncaggn cantantggg aaccnccant nanggntntt 240
ttnnctatgn tcacagcnnn cacangtnna gnctgangnn tnananngac nnangagana 300
nnncatttta atngntnatg ngaaagangg nnaanattgn ccnagagntt agctcttnac 360
antactntag tcntgcaagg agtagccgtg ngccngatca gngaangact gagnnctcan 420
anctacccng cnctnactgn atgnngactn gcatgntnan cnaanntaac ctgngagccn 480
ncgngcnnag cctntttgtn agaagncnan tcngtnntnc acntgcccnn agntagcgct 540
ttnngnntna cngacaacac caactgggnt ggtggcctnt gtcnganttn gaananangc 600
nntnacntgc nngctcntta ntgaaggatt ggatactgan anntacactc cngacntttg 660
cnaaaatgga aaannantgg tctctnggan ggnaactntt nnacngngan ctgttctant 720
aaaatannac gtggatgaaa agcttactgg ncacngt 757

<210> 5005
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 5005
ttnnnnnncn cagcttcnng ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
ncnngatggn nntgaatgnc angnntatnn cagatgagac aagnganaca attgtgtccn 120
tgtantctnt nnggngncnt ngntgcnggn gaaacatnaa ctatnggcan gntaactgna 180
cancntagac ccanngatnc nangncaggn cantantggg aaccnccant nanggntntt 240
ttnnctatgn tcacagcnnn cacangtnna gnctgangnn tnananngac nnangagana 300
nnncatttta atngntnatg ngaaagangg nnaanattgn ccnagagntt agctcttnac 360
antactntag tcntgcaagg agtagccgtg ngccngatca gngaangact gagnnctcan 420
anctacccng cnctnactgn atgnngactn gcatgntnan cnaanntaac ctgngagccn 480
ncgngcnnag cctntttgtn agaagncnan tcngtnntnc acntgcccnn agntagcgct 540
ttnngnntna cngacaacac caactgggnt ggtggcctnt gtcnganttn gaananangc 600
nntnacntgc nngctcntta ntgaaggatt ggatactgan anntacactc cngacntttg 660
cnaaaatgga aaannantgg tctctnggan ggnaactntt nnacngngan ctgttctant 720
aaaatannac gtggatgaaa agcttactgg ncacngt 757

<210> 5006
<211> 779
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 5006
nttngaaatt ccatatagna ntgaacggga antccccttt ntgcaggcag cccatcgatn 60
cgaattcggc acgagaagan gtttgattct ttagataacn cttttnangt gctataaagg 120
gcctagttta aaaggaactt cttttgaaaa gcaattaaca gttgataaag ggttaaataa 180
aaattatcta gtaaggaatt tcttattgga atgtaaacgt ggttctaatt ttaaatagac 240
agtgatataa agaataaaaa gtaaacagtg aaattgagtt ctccagggaa aaggcagacc 300
tgtttagtaa aaaaaggatg ctttttttcag tgatgtcttt ttttgagtgc atatgtgtgt 360
gactcttgaa gaaatccatg ttcagattta tcagatgatt gaagtgggtg ttctgaataa 420
agaaagctgt gaggcctgag gcagtgaccg tatcaggaaa catattttat tggagatttg 480
gaagctatag taaaacataa tggcaataag ccaacttccc agtggtaaac ccacagnggt 540
ggnttagttc taacctcttg atgaccgagg aggntaataa ttggatattg cagagcagca 600
aatatgtaac cngngngtaa tctcanggcc ncangntaan cagnttccag ncagaagccn 660
tagaagaaac ccctgaccaa aatttagctt accccggacc tangctgccn gcntatgngg 720
gncngggggtt cntcngggtt taaaagaaac ctaataactg nccacaanac cnttgaccg 779

<210> 5007
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 5007
ctgnnncnng ccgatccang tagaactcat gggaactccc gcaggancc agggngncga 60
acgnggnncg aggnaccgcg agagaagggn gggtttaact acacactttt naaccntgct 120
taacanaagt attatatang nacagtttca tacaggaatt acctcaaaag ggagtctnat 180
gangagcaac tacagatagn tgcaagggat catacagaag atatcgatga taggtgaaan 240
atgcttagaa ggggtgtgaa tgtctagcng ngacnaccat gtgtatgtat ccttgacaag 300
cagtataaaa taccngtgan gtnttcttta cattacggga taangcataa ggaatcaatc 360
nccatatana ctatcanccc taatgnagca aggggaagta tntaattgcc catgatatgt 420
annttactna tactatgcca gagaggaaac tataaagtaa ttacacangt aaacttgggt 480
ntttcacana cgnaggtatt cattnngagt acggtgaaga agaaaaanga atatcnaaat 540
gaactgaanc cngatgggan agtatcaaca agtntntaaa agcccaggat tctaaaaaac 600
aataaagggg cacgggcant ttttggagtn ngnacancct tatgccnant ggcnaanaat 660
nccaaaaatn aaaagcggna accattgggg aaccccgggt ggaccntaaa nggcnacnta 720
aatnggggaa ccagcnantn gangaatgan ggaaccaaag gggggttagg caaataagcc 780
aaaaccccca anaaaanant nnngggncca aaannnccg 820

<210> 5008
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 5008

agagnnnnnn tttnattctt tgnnctctaa nagcttggct actngttctt tttgcaggat 60
cccatgcgat tcgaattcgg cacgaggcca ccttctaagc aagtgatggc ctggctggtt 120
cagtaccctt tgcaccctgc tttttaaatc ttattctgca cacttttca tatctattca 180
tatgattaga catcatcatt ttaatggctt catggcattc cattttatgg gtatattata 240
aagagactaa tacagaatta tgttccttac aatacatgat ttttaaagtt ttaaaagcta 300
actggggtta catgccctca ggacaagaca cataaacaca ttttgtngac aaaaaanaaa 360
aannaaaaaa aactcgagcc tctagaacta tagtgagtcg tattacgtag atccagacnt 420
gataagatac attgatgagt ttggacaaac cacaactaga atgcagtgaa aaaaatgctt 480
tatttgtgaa atttgtgatg ctatngcttt atttgtaacc attataagct gcaataaaca 540
agttaacaac aacaattgca ttcattttat gttncaggtt cangggagg tgtgggaggt 600
tttttaattc gcggccgcgg cgccaatgca ttgggccccg gtcccacttt tggtcccttt 660
agtganggtt aattgcnccc ttggcgtaac atggncatag ctgnttcctg tggggaaaat 720
ggtatccgnt cacaaattcc acaacatacg ag 752

<210> 5009
<211> 809
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(809)
<223> n = A,T,C or G

<400> 5009
tttnnaannn ncagcgtnnc cnccnttncn ctncgtgaaa ccctttggca annccccccn 60
nnnngcagga tcccatcgat tcgaattcgg cacgagattc tctcaataat ggccagccga 120
aatttcncgc tgccaggcat ctgcctccgc ggggtcatta aactcccaca gtggtcaccc 180
cactgctgat gtacagactt tccaggcaaa gcgccatatt catcaacacc gncagtctta 240
ctgtaattat aacactggag gtcagttaga gggcaatgca gccacttcct atcanaagca 300
gactgacaaa cccagccact gtagccagtt tgtgacacct ccgcggatga ggagacagtt 360
ctcagcaccc aatctcaaag ctggtcgaga aaccacagtg tanaatcaag tnactggaca 420
aacttgaaat catggtggaa gaaacagaca gngttagctc atgatnngat ttggtnctac 480
ctttggcctt gagttcttat tatttacatt ataaanatta actggttnta tattgntaag 540
acaaaacact ggtaaaagtn gcaacacctc cctnntgctt gtataccata aatgggcagn 600
ctctggaaat tnatggataa agcatcaaag aaactgcnnn ngtgctgaaa acgtttctnn 660
ctttntttag ngcctnaatt taagatactt tactttacnc ccncntngna atctgggnng 720
cangnntctc ttttanggnn tggnaaaana ncggncttcg cccctnntaa acttnnagnn 780
gngtngggat taccgcnaaa ccccngacc 809

<210> 5010
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 5010
cnaatgctgg tngctngttc tttttgcagg atcccatcga ttcggggcta gcctgcacgc 60
acgccaagat ggagctccag gctagcccac agaacagccc agccgcagcc gtcctaccag 120
accagcacct tgtaaccaca gtctaaccca gcgggcacca ggcggtgaga cctcctgccg 180
ctgccagccc aggatagccc ccttgcctct tgcccaaggc tcaggctacc ccttgaggcg 240
tctggaggac actaggcttg acctggggag tggcatgatg gggggcaggg tccgaggcaa 300

cggagaaggc agaagtgact tagattgtga gtgccacggg gctgaggcct gcgccgacct 360
ggtctgctgg tgctaccagg cttgaacagt cttcaaatcc actgctatta ggcaaattac 420
ctggctcccg ctgaactcca gcacctagaa ctatgtcaca ctcgtagtag gccgctgcat 480
tggttgaaca aatgattttg aaagaatgaa tgtcttcctc tgtgcctgca tttcctcaga 540
aggctgtaac aaagattaaa taggaaaatt cgtggaaagt tcaaaaaaaa aaannnnnct 600
aanantcatn nnannnnang agnntnaaaa aaaaaaaact cgagcctnta aanctntagg 660
gagncgtatt acgtanatcc agacatgata ngatncattg atgagtt 707

<210> 5011
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

<400> 5011
atgtgntaac acacataggc tcaangtaaa ggggtggcga aagatctgtt atgcagatgg 60
aaaaaaagat caggggtcac tattcttgta tcagataaaa cagacttttt aaatcaacaa 120
cagtagaaaa aggactaggg cattacataa tgaagaaggg ttcaattcaa caagatttat 180
cctatacaca cccaagattg gagcactcag atttctaaaa ctattatttc tagacctagg 240
aaaagaatta aacggccaca taataatagt gggggacttc aacacctcac tgacagtgtt 300
agatagatca tcaaggcaga aaactaacaa attctgaact taaattnaac agttgactaa 360
ttgaacctaa tagacatcta cagaatactc cacccaccaa caacagaaca tacttttttc 420
tcatgtgcnc atagaaaata ctctaagatt gccacatgct ttgtcccaaa gcaaatctca 480
gttaantcaa aaaaagattg aaatcatacc cangcttttc agactcctcc atagtaaaaa 540
attggaaatt caacaccaag agnaaactnt caaaaacatg ggaaacttaa acaacttgct 600
cctggatgac cttttggggt aattgttaaa atanggcata catnaacccc ttnttgaaac 660
aaatgg 666

<210> 5012
<211> 802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(802)
<223> n = A,T,C or G

<400> 5012
ttcgtnnttc cngtagaact tncngcaaaa tcccgtancn gcangagccn atacgatccg 60
ggnccgntga acnaactaga ctacgcngcg ngcnggcctg tttnaaanan tggccagnnc 120
ttcttnagnc ngtagctcaa aacctgtgag natcanacat canaaatgng ngaaannntan 180
agccnntnga anacaacatn ngngacaacc nacnanacaa nactatgggg ancagcttnt 240
ccatgtgang catagccang atccataacg anaangaaac cngaacccng gncnntcnca 300
anatgnaana cncntgcnnt gctgcaatgc ccngcaaagn cgatgaaana acngggctac 360
atacngcgag gaaggactat gcaactgctn ggcaggacta ntgactnnaa nctgngatct 420
nnnnggnact nagaacngaa nnctnnaaag gnngacagnc caanttnaaa acgngnaaan 480
gnacngcntt cgacaacaag gntatncnga tntcatctga acacnggaag ggaaacnnan 540
aaccctanac gagnatnngg atngaannng gacnntanta nnaacgcacc ctttaagaac 600
agcttganct cacncnngaa ccngccatnt ttaaccccag ccttgggcac caccaggcaa 660
cgacaccagt ctancaaagn ctnangcnnn naananatna gcncccagcc cngaaacgct 720
gnggccngga atatncaagg aaaccagaac tcttaaaacg gtttcccagn nggggaattt 780

taaaaaaggg gccaacccct cc 802

<210> 5013
<211> 874
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(874)
<223> n = A,T,C or G

<400> 5013
agcgggnttt taaaccctta tnntatncnc tnngaaacna aatcgcncta aaaggggngg 60
gggcgcgagc ccntnnccac cccattncca aangaggnnt cantggggtn nggccgngca 120
ccattatccn nncccattcg naccnntaaa ncgctctatc aantacaana ncatgacctc 180
cnctncatct ntctnctacn cttnctnana cantattnan tccacttgat ttttttttc 240
ttaanactan ttatattact gctnctcggn gnctgcntac cnttnccatg ctaaggctgg 300
nacancagnc ctgngnncna taccgtgnaa tccnccagga nancnanccc ctnngnancg 360
gaggncccgc annnccccnn atgcnnatag antagttcna nggactnnag ntncnatcaa 420
caactnnctn gnggngcagn ccnnctnncc ttnncgacng cccntnanct acgggganct 480
gnatnatncn ctntntcata tgnaatccnn tnttnnctcg gtntggngca caaacgannn 540
nntactagga antcttcctn natagnccnt aanannacaa ngaatgggat taananctta 600
nnccccttngg ctccanggna gaacancnnc ataccnnttn gggntttngn ntaanaantg 660
tcctnannng gggnantaac taangnnacc cctantncct nntcgatccc cctanaagaa 720
ntnttcctnt atctttctct ccaagtacag ancncntagn naaaggntcc catntctatg 780
ngnccntncn tttganacnc tnnctgngng acccactttg nctnngaang gncatnccat 840
ntnaanctta accatnngnt tattgnnctc gccc 874

<210> 5014
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 5014
agttcatcct ttcnaatngc ttggctactt gttctttttg caggatccca tcgattcgaa 60
ttcggcacga ggtttttttt ttttttttt ttatagggat cacttttatt tcaaacaatt 120
aaatacaaac caatatttta ccccttcata gatgaaatca catcttttca ggatatgagt 180
ataaagtaac aagcctaggg cagagcttgt actgacaaag tcctgaaact acaatgagag 240
gaaacacatt gctctacttc gggataagtc atgaccgaga ctcaatttca gagacgctct 300
atgaacagag gtgcttgaag ccacagtggc agaagggaaa gatggggaag tgtgccgaag 360
agcctccagg catgacagac agtcccctga ccaagcacaa gtaacaggcc ctttgggtct 420
ctgcttctca ctggaaaatg atgaagccta natctgatga ctcctagtgc caacatttaa 480
caaagttcga aagttatgca ggacttcaca catgtacgga atggctgtat cacagaatat 540
tatgccgtta gaaagttcac ggncactatt acctagcttc taaaattttt cagaagaaac 600
agcagactta ttaagtggaa tcttaaatta aagggattan cattttaatg gaaataaatg 660
gaaaccagag caggggaacc caaagagccc anttagggga aagaatcctg aaaaaagtnt 720
ggntttacac cangnancag cntttgaaag aaaaacccct nttggatttt tttcccanaa 780
na 782

<210> 5015

<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 5015
gccccccnnn nnnnnnnttt tcaaannccn ttnnnnnnnn nngnnnnttt tannnnnttn 60
ttannnnaca gctcttgttc tttttgcagg atccctcgat tcgattcggc acgagctacc 120
ttgggctggc cctctatnat gctntgaggg gagctgggac agatgatcnt nccctcntca 180
gngtcatggn tnccangngt gagnttnatc tgccnnacat ngtgacggag tttaggaaga 240
atgntgccnc ctctntttat tccatgatta aggganatcc atnnggggac tataagaaaa 300
gcnnttttnc tgctntgngg ncaanangan tnacnngncc cgggnnanag ctcctatgct 360
gtntgcctgc accacccccc gccttccttc ataccttccc ntggatatgn atgccagggc 420
ttnncacatt gcctnattna tactnacntg ctnatgacca anacatncac gtgataacac 480
aaacantggg tgcttgnttc tgatcnctag aggnganctn ttggnnngnt ggagnactna 540
antnttctna gtgtnacttn agttcaatgc ctggccatnt gcnatnacct tatatcntnc 600
aaagaggcta ctgtgctttt ancctttttt aaaacctcca tctgtattac attgnnaacc 660
angtttcttt aatnaggagc ttgacctcta nantgggaac tcttgggaat ggncttagtg 720
aagttcgcna ctaacttaac ctgaaaatta tnatgnnctg tttnacctat catgttnata 780
actnt 785

<210> 5016
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 5016
gccccccnnn nnnnnnnttt tcaaannccn ttnnnnnnnn nngnnnnttt tannnnnttn 60
ttannnnaca gctcttgttc tttttgcagg atccctcgat tcgattcggc acgagctacc 120
ttgggctggc cctctatnat gctntgaggg gagctgggac agatgatcnt nccctcntca 180
gngtcatggn tnccangngt gagnttnatc tgccnnacat ngtgacggag tttaggaaga 240
atgntgccnc ctctntttat tccatgatta aggganatcc atnnggggac tataagaaaa 300
gcnnttttnc tgctntgngg ncaanangan tnacnngncc cgggnnanag ctcctatgct 360
gtntgcctgc accacccccc gccttccttc ataccttccc ntggatatgn atgccagggc 420
ttnncacatt gcctnattna tactnacntg ctnatgacca anacatncac gtgataacac 480
aaacantggg tgcttgnttc tgatcnctag aggnganctn ttggnnngnt ggagnactna 540
antnttctna gtgtnacttn agttcaatgc ctggccatnt gcnatnacct tatatcntnc 600
aaagaggcta ctgtgctttt ancctttttt aaaacctcca tctgtattac attgnnaacc 660
angtttcttt aatnaggagc ttgacctcta nantgggaac tcttgggaat ggncttagtg 720
aagttcgcna ctaacttaac ctgaaaatta tnatgnnctg tttnacctat catgttnata 780
actnt 785

<210> 5017
<211> 1425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1425)
<223> n = A,T,C or G

<400> 5017
cntnttaaaa aaatattgaa ggcctntgtt gggaacccct tngggggnac ccttgganca 60
tttttgggng nncccncctt naaaacnatc aagaaaaata atgggngggt cttttnnggg 120
ggnnncncnn nnncannnan ccnatnnann nnnnnnanntc nnnnnnnnnn atntnacata 180
nancnccncc aananccnca ccncttnncn tnncnncctc nnnnnnnnnt nnacncnnac 240
ntnnnaannc acnannnnna ntnnnncnna ccnnatnccn atnccncnnn ncannnancc 300
ancnanccnn tnntanannn nnnatncccc nnnnnntnta nnctctccta ctccatncna 360
cntncccnac cnntccatct naaacnannc nnantnanct ncnanncntc ncnncaaann 420
naatnnnncn cctccacaca cantnnancc tctacnnant ccacnccann cccnncntca 480
ncccccncaca anncnnntcc nacncnnnct cannacntta acannacnaa cccncccatn 540
accanaccnc ccccannnct ncnccntnac tncncancan cannnnncnc ccnactnnnc 600
nccnactcna acccannann tnntatncnt cnccnnnann nnnncaaanc nannnacncc 660
ncnnnctcat ccannntncn cncnnanann tctnnnncnc ctcaccannc acncccncnn 720
acanactatc tctatacnca ccncnctnnn nnannnnnnn nnccancnca nacanncnnn 780
actccntnnn tannnaaccc cnncnacnnn nntcncntnn accanacncn cncnnnnaca 840
ntantaccna ncnnnccnac nanancncnc nnnntcacnn nnnnntntat cnantnctct 900
nnctnnatnn cnnctttctna nnnannnccn aacnnnncac ccnncanctn atacnantnn 960
nnactnannn ncatnancan anannnncat atannacaca cnntanacta cnctacnatn 1020
cannnactnt cncnannanc tnncancana natcnnncnc nnnnntcann cnnnnanatc 1080
nctcancann ancncntnan ntncanannn tacnnncnnt nnnnanatnt cactcncnan 1140
nnatcactcn cnnnnncntn nnncccannn nnncnnncnc anactcnnta cnntatactn 1200
ctncctctan tnnnantcnt ancnnnnctn tcnnctntct nctcantcnn cncccactct 1260
ataccnnctn atntnncann tnnnannnnc ctcctctncc ctcnacctnc ntccacancn 1320
cncacntcnn nataccncnn cnantccatc nacacnatca ctctncacnc acnctntcna 1380
ctactantnc tcctnaacta canacccanc ncnntnncac ancct 1425

<210> 5018
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 5018
ggcccccnnn nttttttttt ttaaaannnc ccccttaan aacnnggaaa aaaaacccnc 60
ctttttttgg ggccctnaac ctttnggccn ttccttttt tttgggcccn gggggnaatc 120
cccccnattc ccggnatttt cccggaaaat ttnccggggg ccaaccggaa ggcccagggg 180
ggaacctggg aatgggaagg gggtnccttt taaaccaaaa aaaaactntt gttgggtngg 240
gnccannnna nnnanananna nanannnnnn nnaaaaatcc cttaaaaaaa accaaaaacc 300
aaaaccanaa aaaaaaaaac caaatttctt tcatttccan aaaaaaaatt attctttang 360
gggacctgga atattgggta aattatgggt caaatntaaa taatattttg gggcattcct 420
tacattgctt gcaagataaa atgctgtgcc aaaatttgat tttatttgga gacttcttat 480
caaaagtatg tgcaaaggaa gctaggatag agtgtccatc cttgttgagt gnttctaaaa 540
tntnttctga tgcatatttt acttggtggg gagagatgnc cagctcctct gtcttgaata 600
acttattgct tgttncctaa ctttgtagaa tggctttcgg aaaatagaaa tctntatagt 660
nagataatga taatgttctt attatattga ctgcaatgca ataaaatctt tgntaaaaaa 720
aaaaaaactc gccctaactt agtgagcgtc nanancgctg aagacattgt gagtggcacc 780
cactgatgng gaan 794

<210> 5019
<211> 957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(957)
<223> n = A,T,C or G

<400> 5019
gtnattctan tnnancnctt tcacnnaccn ggtaccccac ccgggtggaa aatcgatggg 60
cccgcggccn ctctagaagn cntnngtgng tcacangntt ntccccctat ggcctcacaa 120
agtgctnnna ttatacgcgt naatccantg ngnntggcct anagtnnnag tanncatgat 180
ttnngcnntg ttnnngtcct ggnttccaaa ngnagnggac ctagctgntn atcaattntt 240
ntgagctaaa ctgnntagnt ccannncctn ntgatantct ccntnnanna tcgaggtatn 300
actagattaa ctnggnaacn nacanggatc anatncactn ataatanacn nnatnaatna 360
nntcnacact natccnnctt tngctnnata tntgnanaan caannnactg aaaacntnta 420
ttnnttaaag nnntncgnct tnatgactca gttnccnaan gctntatnnn tattntgntg 480
tgtnnatatc caanctnncn nccnnnncnt tgtttgtnnt gctcntnncn gtttcaaana 540
gaataanaan nctnntnnnt nnctaagana nacattcntn agctnactat ncnntactcn 600
atnatnattn tatgccaana ntgtagccnt ccnnatntat nnctaaaaan ttnacgncta 660
tatannacng naccttnnca tanccggntn taanncnggt ntngatctcn catnatntcc 720
tataaanngt gtntatacgt tnactcccaa tcttnccnta cgtgaaaacc nttntttctc 780
attnaatnaa aaacggtgtc taaaaanncg aannntnaccc ttgctgctct tcatcgnaat 840
ntatacnnta tcntatcgna tnttanncat agaatncntc tcttaaagng cngncaatna 900
cnnaccntnc gncttatgnt gntngattcc ccctctntca naannncccna aaanncc 957

<210> 5020
<211> 808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 5020
gtnttccttt caaatngctn ggctacttgt tctttttgca ggatcccatc gattcgngta 60
gccgaccngc tgctgtnncn ggtgcttgnt acgaacgttg ccacnannct gagantngtn 120
acnctaganc tgnaaacntn atngttnnct gcctgnatna ccnagnaggc tnnnatactn 180
aagatngcaa tnctgannaa ncctgcntna tgtncnnnng tctctnanta ccagannntt 240
gannnnttac tggnttatta gatggctatt atctctaaat tcnggatgcc tacctggctt 300
ataacctnaa ngaattnact ggagnactcn tntatgatnt tctgcccacc tgtgatnnta 360
cccatgaaca cgctntggat actgngaaat atcggatnta ntgccatcct gcttnatgga 420
cntntnactn agantaagcg cntaagannc nttaataagt ttaaggccan ngccnnntnn 480
attcttctag naactgncat tgccaangcn aggtcaggac atacctnatg tagatgatgg 540
atggtcaact aatgacatnc ctgacccatt ccangngatc accntccatt ngaattgggt 600
cctagccang atttgaagct tgggcgctta cggganaang ncncttactn tttggttaan 660
acaagttttg annggttggg naantttta acaaacgcca tttggaacac ttttaattgg 720
gngaataaaa cttcccccgg gtnttgggaa aacncggatt gntgaaaggg taatgaatgg 780
gtnncctgga acggnggtaa ntttggaa 808

<210> 5021
<211> 788

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 5021
cttaannaat ncnttatcgc ttggctactc gttctttctg caggatccca tgcgattcga 60
attcggcacg aggtactntg agtgtttggg ggttnnncac acacatgcaa ttntgcttaa 120
caaaagtatt ntataataca gnttcataca gaattacctt aaaagggagt cttatgtttt 180
caactacaga tagttgtaag ggatcataca gaagatattg atgatagttg aaatattctt 240
agaaggggtg tgtatgtcta gctgtgtcta ccatgtgtat gtattcttga cnagcagtat 300
aaaatacctg tgatttttct ttacattagg gataatgcat aaggaattaa tcttcatata 360
tattatcatc cctaatgtag catggggaag tatttaattg cccatgatat gtattttact 420
tatactatgc catanaggaa actataaagt gattacacat gtaatcttgg gtttttcaca 480
tatgtaggta ttcattttga gcaaggttga aagaacanaa naaatattta aatgaattga 540
attcctgatg ggatagtatc aataagtatt taaaanccna gtattctnaa aatattcagg 600
ggtangggtc atttttgagt ttgggntttc ttttncgaat gggtaaatat ttcaaaattt 660
aaangggtta caattgggtn ncctgtnggn cctnaaaggc cttttatttg gggnaaccag 720
ccnttnngaa tnnatngaac caagggggggt ttagccaatt gccaaactcc tataanttga 780
ttttngcc 788

<210> 5022
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 5022
gnnctaatng nnggctatcg aactnccgna nanaacgngc ntncgaattc ggcacgagag 60
gttgctcacc tgaaggagca caggagggtt ttccaggcca tgtggctcag cttcctcaag 120
cacaagctgc ccctcagcct ctacaagaag gtgctgctga ttgtgcatga cgccatcctg 180
ccgcagctgg cgcagcccac gctcatgatc gacttcctca cccgcgcctg cgacctcggg 240
ggggccctca gcctcttggc cttgaacggg ctgttcatct tgattcacaa acacaacctg 300
gagtaccctg acttctaccg gaagctctac ggcctcttgg acccctctgt ctttcacgtc 360
aagtaccgcg cccgcttctt ccacctggct gacctcttcc tgtcctcctc ccacctcccc 420
gcctacctgg tggccgcctt cgccaagcgg ctggcccgcc tggccctgac ggctcccctt 480
gaggccctgc tcatggtcct gcctttcatc tgtaacctgc tgcgccggca ccctgcctgc 540
cgggtcctcg tgcaccgtcc acacggccct gagttggacg ccgaccccta cgaccctgga 600
gaggaggacc cagcccagag ccgggccttg gaaaagctcc cttgtgggag cttcaggccc 660
ttcagcgcca ctaccaccct gaggtgtcca aaagcccgca gcgn 704

<210> 5023
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)

<223> n = A,T,C or G

<400> 5023
gnnnnnnnnn nntttgttnc taatngcngg gtggctcgnn ctttcncgca nnagcnnngc 60
ngtgtcgaat tcggcacgag atttcaattc atagcaaact ggtgttttaa actattgcag 120
tagctggaac tttttagtgt aaccagcatt tattggagaa gtgaatcaca aggaaataaa 180
gatgagtaaa agcaaagatg atgctcctca cgaactggag agccagttta tcttacgtct 240
gcctccagaa tatgcctcta ctgtgagaag ggcagtacag tctggtcatg tcaacctcaa 300
ggacagactg acaattgagt tacatcctga tgggcgtcat ggaatcgtca gagtggaccg 360
tgttccattg gcctcaaaat tagtagacct gccctgtgtt atggaaagct tgaaaaccat 420
tgataaaaaa acttttttaca agacagctga tatctgtcag atgcttgtat ccacagttga 480
tggtgatctc tatcctcctg tggaggagcc agttgctagc actgatccta aagcaagcaa 540
gaaaaaggat aaggacaaag agaaaaagtt tatctggaac cacggaatta ctctgcctct 600
aaagaatgtc aggaagagaa ggttccggaa gacagcaaag aagaaatata ttgaatctcc 660
agatgttgaa aaagaagtga aacgattgct gagtacagat gctgaagctg ttagtactcg 720
gtgggaaan 729

<210> 5024
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(706)
<223> n = A,T,C or G

<400> 5024
gtnnctaatn gngggctant cgttctttcc gcaggancce ntcgantcga attcggcacg 60
agctctatct tgtttattgt tgatgccatc ttagaggaaa aaatgtaaag gtaagtaatt 120
aagcatatga cagcaacaaa taagatactt ataacctaat gggactttat tttgtagttt 180
tatgtattac aaaaaatcca cctttctcta aggggaagtt tgtaccccat tgattcttgg 240
tgcctttggg atcgactggg ttttaatggc ctagttattt gaggattttg ctgtgttgtt 300
ttccatgtct tctctggtca ccttggatta tatataaaaa tacaggaaat agataaacat 360
gaatgtgatt aataatgctg aaaaagtatt agcctaccaa agacacactc aggctttagt 420
gaataacttt acataacctc agtttttaac acatgcatat cttctccaac catgaaatca 480
aagcacggtg cagaacttgt accaagtaca aaaggtccat gtatgattag cattattttc 540
ttttgctttt gtttatggac aatgttcagc tgacataagc agaagttggc caaaatactg 600
cctgtactgt taatttcctg tataattcac ttaaataaaa gcaggttaac ctcaatgata 660
gcagttaaaa tgttctatct tatgtatttc ttttaagtat taccaa 706

<210> 5025
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(706)
<223> n = A,T,C or G

<400> 5025
gtnnctaatn gngggctant cgttctttcc gcaggancce ntcgantcga attcggcacg 60
agctctatct tgtttattgt tgatgccatc ttagaggaaa aaatgtaaag gtaagtaatt 120
aagcatatga cagcaacaaa taagatactt ataacctaat gggactttat tttgtagttt 180
tatgtattac aaaaaatcca cctttctcta aggggaagtt tgtaccccat tgattcttgg 240

tgcctttggg atcgactggg ttttaatggc ctagttattt gaggattttg ctgtgttgtt 300
ttccatgtct tctctggtca ccttggatta tatataaaaa tacaggaaat agataaacat 360
gaatgtgatt aataatgctg aaaaagtatt agcctaccaa agacacactc aggctttagt 420
gaataacttt acataacctc agtttttaac acatgcatat cttctccaac catgaaatca 480
aagcacggtg cagaacttgt accaagtaca aaaggtccat gtatgattag cattattttc 540
ttttgctttt gtttatggac aatgttcagc tgacataagc agaagttggc caaaatactg 600
cctgtactgt taatttcctg tataattcac ttaaataaaa gcaggttaac ctcaatgata 660
gcagttaaaa tgttctatct tatgtatttc ttttaagtat taccaa 706

<210> 5026
<211> 968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(968)
<223> n = A,T,C or G

<400> 5026
gtaccaatgc tttgctactn gttcttttcg caggatccca tcgattcgaa ttcggcacga 60
ggcggacacc aagtctggac cacctcccgc tgcgtttnct actcanagaa acatcnnggg 120
cggngttaan acacggnatn acnggaagca ngannennng cancagenna gnntggggtc 180
ctggcnctgc nngctangcc aggatgncca tcccncccct tanactgtcc cttgnggcct 240
gtgctnntna aantggtnnc ngtnagcnct gccngnttnc cntattatnc ccacnctnng 300
cttctnaatn ctttatgntc cntntnanan naccttncta tactgtancc catcttnctn 360
tnaattnntt ttcanggatc tntnatattn tnttncaaan tccncnatan tnantnatta 420
ngtntnngan ttncattcat attaanttnn antncattnn nctngttnan nnttnttctt 480
tctnnnnngn ttncnnnttc ttataatnng taatttantt nnctnntatc tacttnttan 540
ttctttcaat cttnaattnt ntttacatnn nctnctcatc cgntnttacn nntntcattn 600
ttaactctac ctttctcntt ctgtnntaac ttactnatna tencttccng ttntttatat 660
ntnattcnct ctnctcataa anctatctnt nctctcncna ttcttgactt tcnctctccn 720
tctcttatat ctctcgtctc ctcncaatat ntctctatcc tctntcnttt cacattctta 780
ttntncnatc nttcggnntn tctncttntt ctctcntaca cnttctanac ttctatnant 840
cttcactcat nncnctntnn nntcnacatc ttacnnnnng tgcttnttan annttttannt 900
acatancnta ntcctctaat ctatatntca tannactcta ttgcttntnt tctcnnaatc 960
acacnanc 968

<210> 5027
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 5027
gnnnnttnnn nnttttttgg gtcttncgct tgttctttnt gcaggatccc atcgattcga 60
attcggcacg agggatcact tgagcccagg agtttaagtc tgtattactg gaaaggggtc 120
ccaatccaga tcccaaacaa gggttcttag atctcacaca agaaataatt cagggagcgt 180
ctataaagtg aaagtaagtt tactaagaaa gtagaagaat aaaaaatggc tactccacag 240
gcagagcagc tccttggggc tgctgggttg cccattttta tggntatttc ttgattatgt 300
gctgaagaag gggtgggtta ttcatacctt ccctttttaa aatcatatag ggtaccttnc 360
tggcattgcc atggcatttg taaactgtca ccggtgcttg gtgaaaagtc nacanttgag 420

ggccaaccca aggncactct nattggccat ctttgggttt tggtgggatt cttacccngn 480
tttntttact gcaagctggt tttatcatca aggnctttat ganctgnatc ttgggctgan 540
ctccgatctc aatctgncat cttaaaacgn ctnactgtct nggatngtaa ccccaatagg 600
tctnaaacct tantttaccc caacttctat ttcaagatgg aatttgctct tgggttcaaa 660
atgccctntt gacaagcanc cagtnaacct nttcancata cccacttgga ntttcaancc 720
tggggtggac aaaaaccaat tacccctntt tttaaaaaaa aaaaaaannn nnnnnnaaan 780
na 782

<210> 5028
<211> 806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(806)
<223> n = A,T,C or G

<400> 5028
gnnnttnnnn tttttaangg ctttggcttg tcntcttagg atcccatcga ttcgaattcg 60
gcacgagtga acttgttcat tttgttttgn ttgggaggaa aataaacaat tttacttttt 120
tcctttagga gcattatgag cattatgtca gaatagaata gaattggggt tcgatcttaa 180
caggccagaa atgcctgggt ttttttggtt tgtttttgtt tttgtttttt tatcaaatcc 240
tgcctgactg tctgcttgtt ttgcctacca tcgtgacatc tncatggctg tccaccttgt 300
cgggtagctt atcagactga tgttgactgg tgaatctcat gggacaccaa tcnaanggct 360
gctgacattt tgggatcttt cantntganc attcanatcc aaggtctcan ttaaacattc 420
ccngcatcat tgnttataat cngaaactct gggccttctg tctggnggcc ttaaaagctt 480
ttgggccata atgcaacaat tattgaagga ggattttatt ggagaaatgg gggataggcc 540
ttcatggacc ccccaattaa ttaaaggaaa aactnaactg cantgggggg gttttgnaaa 600
aagggtattt antaccttct ttaaacnaat tccttttttt tttcanggga ccttttttcta 660
agcctggnat tgnaccgggt aaccnttgga acccttttctt tttggaaaaa aaccattttt 720
ccccnaaaaa agggcccccc aatttttttaa aaaatgggaa tttaaccntt tttaancccn 780
aaccnttaaa antttttttt ttttnn 806

<210> 5029
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(716)
<223> n = A,T,C or G

<400> 5029
tgntnttcta atgctggnnn ctcttgttct ttttgcagga tcccatcgat tcgaattcgg 60
cacgagggac tcagagcctg ggaaggaggc cgctatgcag ggtagcactg ggaacaggag 120
acccacctga ggctcagccc tagccctcag cccacctggg gagtttacta cctggggacc 180
ccccttgccc atgcctccag ctacaaaaca attcaattgc tttttttttt ggtccaaaat 240
aaaacctcag ctagctctgc caatgtcaaa aaaaaaaaaa aaaaaaaact cgaggcctct 300
agaactatag tgagtcgtat tacgtagatc cagacatgat aagatacatt gatgagtttg 360
gacaaaccac aactagaatg cagtgaaaaa aatgctttat ttgtgaaatt tgtgatgcta 420
ttgctttatt tgtaaccatt ataagctgca ataaacaagt taacaacaac aattgcattc 480
attttatgtt tcaggttcag ggggaggtgt gggaggtttt ttaattcgcg gccgcggcgc 540
caatgcattg ggcccggtac ccagcttttg ttccctttag tgagggttaa ttgcgcgctt 600
ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgg tatccgtcac aattccacac 660

aacatacgag ccgggagcat aaagtgtaaa gcctggggtg cctaatgagt gancta 716

<210> 5030
<211> 1206
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1206)
<223> n = A,T,C or G

<400> 5030
nggggncgat ttttcnaaaa aatntccccn ggngaacggg gncaccttgg gggncancnc 60
cangaaccnn ttttgcnaaa aaccccnttt ggcncnaana nnacccnngn nnancgcnct 120
accnacncga ancccnncncn acnccanngg ganccnanac accgcncntc nntntaccan 180
actanatcnc ncntaaacna cacnaancng cacnnacanc acccaccgta tggtaaccnn 240
nccangcacg agcacancac nncnaanagc ncgccactaa cggggcggga cnacncgata 300
canannnacc nagnaancnn acaacanacn ctacacncga cnaacaancn nccagntncn 360
aanccgccag acncccccann tcangnacaa cncccncCac accacccaga nnagaccacn 420
tccccnnnca ccacccnaac nannnaaacn accctncatc angaaccncc caannncnnc 480
cnacncaccc nacnnccccc cannccacng ncnanccnaa nagacaccca cccccacacc 540
ctncncncna anaacacntn acaccaccan ancacaacaa naaccntncn ccannacncn 600
nanannnnnc cacacnnccc nancccnctn nccaanccac accncncnnc nccnacncna 660
ancacncccn anctncactc nacancanca cnancccCaa tancacacca nccaccacca 720
aannccactc acacncanac tatacagcng acnnnaanca cctcanancc nnnccncCnn 780
cnacnncctc ncnccaccca nancnacaga ctcanctncc agcanncacc nncgcccnnc 840
tnnctcnnnn acancacnca tnagcanccc ncancgnnca caccncacca ccnnacancc 900
aatncccacc cacatccnnc cncncctcct atancaancn cccaanccga ccgactncan 960
ctngctcacg canacatcnc gncgcncntn cnacactanc nacncncacc tnactctnac 1020
natcgcancc atcgntccnc ncnnancaca nncnnannng annatncnnc cctccacata 1080
ccactacanc atnacngcnn ccnnnatcnn nacatcnacg ccaancncca cacgaaccnc 1140
acgcntaacc atcacgacna ccccaccacg acnngctaan cgacnacnct atccaagcnc 1200
tncgcc 1206

<210> 5031
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 5031
gagnnggnnn ttnngnnagn nnnnnnggnn nnttnnaaag ncagctcttg ttctttttgc 60
aggatcccat cgattcgcga gttttttttt ttttttttt tatatatact gcaattttat 120
ttcaatcgca caaacgaagt tagcatgtag gaaacttaaa tgaaacaaat ttaaacgaaa 180
tagttacggt aaaaatagca gaaaactgaa aattctaaaa aggaagtaca cctaaaagca 240
tgagaattca acattcatta gtgtttcatc ttcagttttg attgacactt gatgcttgca 300
aatttttaaa caaacttta aatcatgatg actattctga agagatttca gcaccagcac 360
taagatttgt acattcagtt tgtttgcaat tgacttgtga gccatttaca tagtggatag 420
tacagacttg tcacaggtca gatcacagtg ttgaggaaag cagtgccttc ctgtcattag 480
aaaggatccc ctaaactgtc tcagcttaag acatccaacg tacaagagca caaaaccatc 540
ataataatgt ggttccaagg aacgtggttt tgataaggta aataacttag gcttctgttt 600

cccattttaa ttctgaaatc tctaataatg acacaactgt catgtatgat agcaaatgta 660
tataataatt cattcagact tcttggaaag aacatttagc caatctggga tgatgggaaa 720
tntagcatga ttcaacactg ggtttttttt 750

<210> 5032
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 5032
gtntttnaat ttccaactct tgtctttgcg gaccctcgat tcgaattcgg cacgagggtg 60
ggtcctggct tccctaaaga taattggaag acttcattgg attgatagag agaaactgcg 120
taatttcatt ttagcatgtc aagatgaaga aacgggggga tttgcagaca ggccaggaga 180
taaggtatga aaaggatcca ccatatctta tttggaattg ctggattgca cttttgggag 240
aagaacagat taaacctgtt aatcctgctt ttgcatgcct gaagaagtgc ttcagagagt 300
gaatgttcag cctgagctag tgagctagat tcattgaatt gaaagttgca tagtatagtt 360
ttgccatttt aacatttctg natttgaaag tgcttatccg aatctaaaag tgactactgg 420
taatattttg natattgggt taaattaatt ttaataaatt atataattat acatattgga 480
aagcctctta gaactatagt gagtccgtat taccgtanaa tccnggacat ggattaggat 540
accattggat gaagttttgg accaaacccc caacctngga atgccaatgg aaaaaaaaat 600
ggcttttaat tttgnggaaa attttgggga aggcctattg cctttnaatt tggtaaaccc 660
ntttttttaan cctggccaat ttaaacccaa ggtttnaacc aanccaancc naatttggcc 720
atttncaatt tttaaagggt tttccaaggg ttccangggg ggaaaggttt tttgggaaag 780
ggtttttttt naaaatttcn ccggggcccc cngggngccc 820

<210> 5033
<211> 826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(826)
<223> n = A,T,C or G

<400> 5033
nnctngnngt tctaatgctt ggngnncntg ntcgctggat nggatcntnt cgttgccttg 60
tnnactnggc nngacnngnn tctgcncngc cgttgannca cgnnntantn cnccaaangt 120
anatgatgtg gtatctnatg tcncnatcna ngnttngaan aaccaaaatg ncctnacntc 180
gnaganaccn tgtcncnant nggnnatncn caattnntcc aggcntgann nnccntgcct 240
gnncnncnag ntacncanta ggcctaagca gganactnnt ttntacccan nangtgtagg 300
nnnnggtgac ccnanatcnn gctnctgnac tcnggnctgc gtgacatagc tagactctgt 360
ctnanantca agccctcaaa gctngaacgt nttatacana ccctgtgtna attcngangt 420
gaaacgctgn tgcctactgn aaatggggat ttgggttagc gatnanatag gctaaatcac 480
nttntnatac gtgatcctng ngtananttc tgcccgaatn ggtngtacgc ntatannaan 540
atanttcntt gttngatanc atcttcctac cntananttt ctngaaaaan aaagtttggn 600
ttttgacnan cactnncacn atggnnttng gttgggtgcc tgcttgcttg gtttgnaatt 660
tnnagccccn taanaanact tnttnngngt nctggaatan ccgtnnnatt ccnngacatc 720
atttntagcn tcnttgtntt naantggggg nnannaccna nttgttttna attcngantn 780
aangaaaaat gcccntnttt nncgaaatnt ttttgtggnc ctttnc 826

<210> 5034
<211> 826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(826)
<223> n = A,T,C or G

<400> 5034
nnctngnngt tctaatgctt ggngnncntg ntcgctggat nggatcntnt cgttgccttg 60
tnnactnggc nngacnngnn tctgcncngc cgttgannca cgnnntantn cnccaaangt 120
anatgatgtg gtatctnatg tcncnatcna ngnttngaan aaccaaaatg ncctnacntc 180
gnaganaccn tgtcncnant nggnnatncn caattnntcc aggcntgann nnccntgcct 240
gnncnncnag ntacncanta ggcctaagca gganactnnt ttntacccan nangtgtagg 300
nnnnggtgac ccnanatcnn gctnctgnac tcnggnctgc gtgacatagc tagactctgt 360
ctnanantca agccctcaaa gctngaacgt nttatacana ccctgtgtna attcngangt 420
gaaacgctgn tgcctactgn aaatggggat ttgggttagc gatnanatag gctaaatcac 480
nttntnatac gtgatcctng ngtananttc tgcccgaatn ggtngtacgc ntatannaan 540
atanttcntt gttngatanc atcttcctac cntananttt ctngaaaaan aaagtttggn 600
ttttgacnan cactnncacn atggnnttng gttgggtgcc tgcttgcttg gtttgnaatt 660
tnnagccccn taanaanact tnttnngngt nctggaatan ccgtnnnatt ccnngacatc 720
atttntagcn tcnttgtntt naantggggg nnannaccna nttgttttna attcngantn 780
aangaaaaat gcccntnttt nncgaaatnt ttttgtggnc ctttnc 826

<210> 5035
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(848)
<223> n = A,T,C or G

<400> 5035
gnnnnnnnan atcagctcct tgttcttttt gcaggcagga tatccnacgc taattctgca 60
cgcacgaggc taaggttaca nnagnatgng ttnccttgat nacaggtcac tctcncaaga 120
tgcgctnnct gcagtcagnt gcataactng tnaaannacc nganatagna ccanctttat 180
atggtatgac agtgtnnnca gtgggagcaa nggtggtcca tagcctgcct atnatatcac 240
cnatatctgt gaacacactc atngcagant cagggncagc natctgntna atggacttgn 300
attatgtntg naccntngct tnctgtngac ncngnntgag cgcaactttc cttanggacc 360
ttanggnacc nnnntnaacn tactttncan atgatggnnn ttntgtcaat cccggatngn 420
tncacggtnn cnnatggcna aagncncnac ctttatntna cacgttgaca ttactttacg 480
acnctagtca cactnttgga ctccattgtc cacatncctg ntntatgana acnttaaggt 540
tttactttac aananntnna ccntggcntt ncaaatgatn nnccctgcng acctttcatt 600
ngcaagggnc ctanactttt tgcatngaaa aattttaggt aaagttgctt ttccgctttt 660
agngcccttt cctaggggta ttaatttggg tggggntcct tnccttntac tttccccttg 720
gccccgnttt ttcnccnttn nggaaanccc cccccttaat tnnncccccg tgnttttncc 780
cccncccnca aaacccnggc aaaattaaag gggggggaaa attgcccccc tnntttaaag 840
cccgaagg 848

<210> 5036
<211> 715
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 5036
ngnnnnttna aanatacagc tgttcttttt gcaggatccc atcgattcga attcggcacg 60
agggctatta aaaatgtaat cagtgtgaaa attcatgcca tctgaatcgt acgagtatgt 120
aagggatttg agttccttac agaattttct gtaatttagt acttcaagtg acttataaat 180
gtatatactt ctctctcaca aaagtgttag gagaaggaaa atcttaaata ctagcttgat 240
ttcttaattt aataacaaaa aacaattctc ataacatgta tcacctaaca tgtcactttc 300
actttaaaag tctaaagagt tgaggtttat ttcttttctt ttaaagttga tgtttatgtt 360
ggtgatttcg aaaagatcag atcccccgtt atgaaggatc ttaaccttgt cttttagatc 420
tccatgagaa atgcagtaca tgtagcatta gccatatttc ttttttagag gcctatgtag 480
gatatttata acctgtaaaa gtttgatgac ttcatgctca ggagaaagca agtaattacc 540
tagccaagcc aggtgggtgt tcaggttagt ggtaaacaga aaggagatgt tgaaagattt 600
catatctaaa gggtaaaaac acaagagaag tatatagaga taaacatgta aagtataaga 660
ctgntacata gtaagctcct ncgaagtggc agccattggt attatttttc tgcng 715

<210> 5037
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 5037
tgtttttgat cnagnnctct tgttcttttt gcaggatccc atcgattcgc ggcggtgtcg 60
gcagctgctg tagcgaagag agtttggcgc gatgtctcac accattttgc tggtacagcc 120
taccaagagg ccagaaggca gaacttatgc tgactacgaa tctgtgaatg aatgcatgga 180
aggtgtttgt aaaatgtatg aagaacatct gaaaagaatg aatcccaaca gtccctctat 240
cacatatgac atcagtcagt tgtttgattt catcgatgat ctggcagacc tcagctgcct 300
ggtttaccga gctgataccc agacatacca gccttataac aaagactgga ttaaagagaa 360
gatctacgtg ctccttcgtc ggcaggccca acaggctggg aaataattgt gttggaagca 420
ctgggggggt tggggtgggc ttggaacaca ggtgtgtaca gcgtgctgta atggaaagtt 480
ttgnatcata gtaatcctgt ttccactttg gtatctctac ccagattgac tgtattagat 540
gaaatgtgan gatcttggtc aatcggaaac cccgtacctc ctctttnctt tctctttctt 600
tnnttttttac ttaacatttt atgatgattt anatggaagt ggtctttngn acttaatgtn 660
ggttccagnc ctttaactgg tcaaaattta ctttttacan tnacattctn aacctttttt 720
aaanaagggg ntgggggggtg gnaaatgcnn nttaaccc 758

<210> 5038
<211> 1278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1278)
<223> n = A,T,C or G

<400> 5038
tnttggaang tgtagncttt tttttgggaa aaaaaanccc ccnttttttt nggggggaa 60
naggtntncg gggnntnttn atancnaata cncnattttt tgaanaaaan naccccttnt 120
cangggnaca aatatnctaa attnacatct acatnnnaan caaattatnt ncatcnnatn 180
ggacncatan tcgacacacc attttntnnt ancacacgtn naacatacat ntccaccacn 240
ntnaanatac ctctctctcc anttnncann cacncncctt ctnntaatac antacancnn 300
gaacccctn tcgngggccc natntatatn anaaancacn ctacccatan atcacacnnt 360
ataatnatca tncnncatac ncannctcnn annccaaatg atgcaatnan naccacanac 420
tncnntcaat cccnccanaa tnttacnccn ananccnngn ttannncanc atacncaanc 480
cacnaccana tncntcncnn nacnnnncnc ncnannannn ccancacnnn nannnnnnna 540
aannacannn nannnannca tncttctnaa tatancnacn anaannnnnc anacnacaac 600
cactcnngac tcttaaactn cntananaca ctncantnnc cccaagacac anntncnnta 660
agatggacna cctnntaaac atcnacacct agatcnatnn nngnccccaa nctanaactn 720
tcaatccntc cagcnaactt caactnnnac nacctnanna aaatctncgc acacnccnat 780
nncacctnac ntannnaann tacacccntn ctatnanata ctcacannnn tcncntntta 840
tatcaanntn ttntcantaa aaaccacgtt naatatcacc naactcncnt atntcnaata 900
agtacgctca cactanacan acatatatat ctacantttt cncnnacnca acanctatng 960
cnacaggant cnncaccngt anaacacctc actatcaaaa tngcnancgt atcacnacng 1020
cnannagcca tnccntacga cntntgncaa atcgaacncn ntntaacaan anatnanatc 1080
tnctnnacat cacaantcta tatctanana ctacnngnga gggcanaaac acattcccac 1140
nnnctanntg tcnccacnat aaccgnaatc nccnnaaaca catggnaana tccccactan 1200
tcgnatccca cncttcaaca cnaagancnt accacnntac gtanacnaan gancttgggg 1260
tnnaaanata cttncccc 1278

<210> 5039
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 5039
ngnnnntttt nnaanaccct nnctacttgt tcttttgcag gatccatcga ttcgtttttt 60
ttttttttt tgactcttga gtggatttta tttttgcact ccaggatgca gtgaagacgg 120
tggaaggttc atcttcacac cgagggccct cagtgtcgag gtgactcccg gcctgaggag 180
ggctgaggca tcctgaattt tgagagttcg aggttgaggt ctaanaaggt gtacgtgctg 240
taagtcatga tgctgcaggt tcttgtaggt agtgttgtca aacggctcaa caggcactgg 300
ggctggctcc tgtgtgccgc ctcggtcgtc ccctgcgcng ntgcatcttn catgggctcg 360
ccctnggcct aanctttaac gctgctggct tttcatggaa acccngggta tttttcaaaa 420
gaactggctt cnaattgctt ggtggnatct gatctttcac gaatggctgt ncaccttcaa 480
gtgggcttct attcctgcgt cctgaggttt cctttntggg caagggaagg ggccccttg 540
cncttgggct tttggcaccg ggtttttnca natgcccctt ttgncggccc caagaagaac 600
ttggctttgc aacttgnccc ttntggttnt tggncctttt tttggccaac acaaacaagg 660
ccnccttggg ctttgccctt tcgggnnggc nccaaaacaa ancctgaat ttttgtggtg 720
ggacaagggt naangggtcc cctttnaacc tttcaaaaan gggctttttg ggcttttcct 780
tttaaccnaa tttcna 796

<210> 5040
<211> 1308
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(1308)
<223> n = A,T,C or G

<400> 5040
ggcttnaaac ctttgaacnc gcttattcng cggtccancn ttngncgngn tacgngtang 60
gctgngnnta ggcnttncat tgcgangcng nncccnnngn gnnncnnngt tganccnnng 120
ngncngtntg gntnagngnc tacnaacttn gaancganca gnnnnnggcn ttntgggccg 180
ccactgccnc gaggnntcca nncnctagtc acccnnggng taccccttagc nncncttggn 240
tcctctngca ccnnntcnta gaaaatnccc nncnnnnannn gncttcttna gtgggtaann 300
tccngttnnt tccccccnnt ggggnncttt tngtgcgcac atngcatcat tacctntngn 360
nnagtccnta cactnatann tctggnnccn naannancgt atcgtnctnt agttnctntt 420
gtgtcgnncn tagnnannngn tntanacgca tncnttgnnn natganncnt nctcnngttn 480
atctctcatg tngcnctcnn agcnnacgct ctctatnngt ananncatct cganatcncg 540
cantntaata tnacggnana tcgntcntnn anntattnta nntncangca cttcntatgt 600
atatnagntg cgtancgtnn gannantnac antgcgacta tancatcngg atagtncttn 660
acntcnnana tcctctgcna tangtncnat actcngtata ngncnctcta tatntaacan 720
agngtangtc tntgcgtacc tcncnngnan tctannentn gggtattcat natnncaccn 780
tntagtnaac nttacncgnt gattnatnta nccnnattcg tgtnananga canannenct 840
natncaangn nntacgtatn gcacatanct atgantnncc tagatngntc gctcaactat 900
cggcaanctc tncataagnt gtannttnan antnatgtag tctncctgtn ntngaccgct 960
atntnnntcg tanctacncn atccacnnaa gananntntt ngtngnntnn ntatngctca 1020
aanntnggtg ttctnaatcc cccntctcnt ttntntgnan agtntgcnan agttantcgg 1080
nngngtagcg nntntacccc tatnggagag gnttctnant tatgcgacat cnccannnga 1140
nnngnnaann acggcngggn gnttcctctc tggatntatn ctcntanctc tngcacgnnc 1200
nnggctttnt canatnaaat accntgacnt ntnggtgann cattngnnac naangcgctg 1260
tgagatagnn cccnntagat aagtctatct gtatgctnnc nccanccc 1308

<210> 5041
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(776)
<223> n = A,T,C or G

<400> 5041
gnnnttnnaa nnccnnggtt ttaganaggg cngcaggttc cccanacaan ctcnntgcaa 60
gancggtagc attcattacc tgtttattct ctgctgcatc ttacagaaga gtaaactggt 120
gagagtttat atgggtatat atatatatat atatnanatg tatatatata tatatngact 180
tgctacatga agatgtaaaa atcggttntt aaaggngatg taaatagaga tttcctnaat 240
gaaaaanaca tatngagaat tgntctaatg caacagaaaa gccnnngaat ctctaaggnt 300
cctgtatatt ccatgtataa gtgnaaatat aancagacag ggntaaaagt ggtgcatgta 360
tgtanacagt tgcaagtctg gacaaatgta tanantaaac cttnnattta agntgggata 420
acctgctgca tgaaaagtgc atgggggacc ctgtgcatct gngcataatg gcaaanngnc 480
ttanaagggc cgancggaag atcnatncng acntgacngt tganatgtca ggagctgacg 540
acgaggggat acagcgggng anagaatggg catcganacc aaggggctna nagaagnttc 600
caatgggcgc caccttaaa nntgnngatt nacacaactc cntncaggga atnggngtnn 660
ncccanncng acnttattcc cagagtgtcc cagtattagc aatactggga atataggcac 720
antaccaatc atantnagaa anntgggggg tnaccccaac ccaaatttga ngcgan 776

<210> 5042
<211> 1105
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1105)
<223> n = A,T,C or G

<400> 5042
ggggggncggn natnaanngn tnggaaactn atcncangat agcgcnggat tcngantggn 60
ttcgaaaacn ctncntnncg atttnaaata aaatnttttt cntntttccn ctgagganca 120
tnttgaaggg nccagnngnn aaanaaataa gnatnnnggg ntcaaatcct ancaggctca 180
naaatgcctg nggttnnnnt nggttcnttn tngctntccn ctcnnatatc anatcctgcc 240
ntgacntgnn nnnctcntnn ntcgcctnnc catcnntgac atcncncatg gcatgtanca 300
accntnncnn gntannnntt aaacnacact tgnattgtct gnantgttng aaatnnaaca 360
atngcaaccn cccantnnna nngggcnngn ccagnncaan acttggnann cttntcanna 420
tnatccnntn ccntnntncc cncatngtta ntcacttgta taacatttca nnncncganc 480
tttatatntg nnttnttgnn anngnntann tancntcncn ngnanccann tagagatnnt 540
ggtgcngnnc tnccataaaa nggtnctatt tgctnncacn ntacatcagc ctanctctna 600
atntttagta caggcnacgg gaatatttcc ncnnggngga caaaatattc gcgngganat 660
nagnttnttt tngnncngng taccccatcc cgannattat actnntnnat angngatnta 720
aactctataa agtcnatgtc ananntantn aggngagtct nncntgnaaa anaaangnng 780
ctcatgatct ctcnntatnt atnnnatcnc tccnanncta caatctntan ccanttnacg 840
ngcnnnatta nnngngggnc anattncacg tgtccntcta agncccntgt gtctananac 900
nganncntng nantcaancg cnanagngcg acacnccgat actaantntg nacttccata 960
ccaattantn atgtntcatn ncccgacatt aatnagggtc nnaatttnta naatcaatgt 1020
ctnnncacna natcngncgt attccaagnt natatntntn aagnnaccnc tctagcncnn 1080
ananncactt tnngtcgtnt angcc 1105

<210> 5043
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 5043
gtctaangna ncagctactn gttctttttg caggatccca tcgattcgaa tncggcacga 60
gcttccttgt ataatactga tcattctatt ttagcggtaa gaacccaaga aggagtatgg 120
atacctgtaa agctttctgg tccttgggaa gcctctcctt ctgtgcatat tattactgaa 180
attcttcaaa agattctgag atgctctcag tgtttcattg ctactttaat tttaatcatt 240
atgggattga ttgctgtcac agctactgcc gcggcanctg gagttgcttt gcatttcaca 300
gtncaaacag cagactatgt aaataattgg cagaaaaatt ctactttgct gtggaattcc 360
caaactaata tggaccagaa actagctaat caaatcaatt atctncaaca aactgtaatg 420
tggctaggag attgagtagt tagtctagaa tatagaatgc anttacaatg tgattggaat 480
acttctgatt tttgcattac tcctcatctg tataatgaaa gacagcatga gtgggaaaga 540
gttaagaaac atttgaaagg tcatactgga aattnacttt agatattatg caactgaagg 600
aacaaatatt tcaatcttct ctggcacatc tgacactaat gccaggaact gaagtgcttg 660
aaggcgcttc anatggataa cagctattac ccattaaaat ggatcaggac caannaaann 720
aaaaaaactc cgagccttta aactttgngg agtcnnttc 759

<210> 5044
<211> 1444
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1444)
<223> n = A,T,C or G

<400> 5044
ctctcncnnc nnnncnnntc tctnncnntn nnnnntnntn nnnctcnnnn cnnnatctnn 60
nnncnnctnn nnnnncntnn cntccntctc ttntntngct ctcntntctc ntncatcttn 120
ccnctattnt cntnntnntc nntcntcnnn antnctnnnt tctncctnnc canctntcca 180
tnntntactn tcnntnntct ggctnttnta tntggggggt ctatttnttn ncttaaatcg 240
actngttcca agtctcntan cngcntctnt ctnnctntct ntgcnctncn ctggggcntt 300
aattncccnn gctnttatan aagngngnaa ttaaggtntc nnntctanng ctntgcaagg 360
ctaatgntta gatccngnta gaanncgnta catgttggga acngacanct tnctgcncaa 420
agngggctna ggcanngnnn tntgcaaann ctcnnntntc nnancttgnn tcncgtagan 480
cggnnnnccc tgaattttnn ancnngganc nttaaatnnt ntngnggtac gannccncnn 540
ncgnnnnnnc gnntannccn canngttaan tgcncccnna nnnantcaac tctntnntcc 600
tnntnnaacn nnnttantct annatnntta cnnntnagnt tttcctcnct nacnnctctg 660
tncttnttnn atcttntnct tctcncttna tttntatctc ntntntntnc tnccctnatc 720
tatctnctac nctctnttcc ncttctccct nncntctctc atcatatccc acgcnactna 780
nccctctnn ctcttacctn nntnctctcn tcntatctcn nnaccctctt tctntntctt 840
atnncnccta tcctctactt attctcctcc tattntncca ctcacccttc ntntntctnc 900
nctnntcttn tnctatttnt actntcncta ttcctncntc tctnntgnct cccacccccc 960
cttcctctcn ctctcctnnn nnnactactc tcaccntctc nnctntcnct ctacnnntnn 1020
anannntcctt antttcctnc tcatcacant actcttccct ctcatnntca nanctaantt 1080
ntnctctcac tctaccactc tntnctccac tcatatnana cttctatant nctaatccta 1140
tcttcttaaa cntctcctct tatcnctcta anctcctctt cntcgctanc tccnntncaa 1200
ctcgnaaatc tctccaatnc tnccccactc taaaaatnnc ncntcngant cccacttttc 1260
ngngcanaat nnaacncnan tccnctccct ttagctatct ctctanaaac cccntttctc 1320
aacaggnacc nccctntntc tcnaaatcct catnctncta ctttatatnt cnccaagcct 1380
cncctntgta anagcatctc nctntccncc aatnnanatc tccctnctcc natanatntn 1440
anat 1444

<210> 5045
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1027)
<223> n = A,T,C or G

<400> 5045
agngnttcct tccccccttt atttngaaaa annggcgccc tnnttcnana attggccact 60
ttttcctggt ccnnggggaa tncccaata cgcatntncg gnaaatgtgn cgggtcnacc 120
gatagtccca aaacctctgg ggccattgca aaaaggggnc cccangggnc gntcttacaa 180
ngnatttntn ttttataccc tnnntnggng gacannctgc cagntctaat cnaancgggt 240
gngattattn gggggnngnc acccttnngn cncnnataat atatnnnggc tccncatgtg 300
anggcncccn ccatangnag tntatncncc tcactataat tatcntantc anncgcaaca 360
antntatacn ngtngtatac nttgaatnaa gaatnccact nntatgctac gantatnnnn 420
ntngtcnnnn ngntgntntn nnctnaantc nntnactact tctncntgna cnanntannt 480
cgnacntnca cnncctncnc tanatntgnt anttnanntc nnnnnctcnc tngnnnntcn 540
tnacnngacn tanntnnatn gnnanntaan anactnannn taannannnc nnnnntnttt 600
cntnnttcta cgnctncnta ncncnnacnc nnnntcnntn nctanactct nttnnnannn 660

nntantnnnt cncnnaccnc tgatntattn cctcantatn nntnnttcnt nntnnnnntn 720
ncgctnnacc atacnannac nacatnnnan nnctgatntc ncnntanntc ctncnnccat 780
tcnncatgnc ntntnnntat cctctcanan naanatntnt nnntgannta cgntgtatgt 840
ctnnctcncg annataccnc atcntnncta ctagatacca cnannnctnt acnntnncac 900
ntntcnatat nnantatant ctnctacntc ancnanctct ngntntatct gangacacat 960
atntcnngat nacactgntc caantnaact cnagnnnnac canggtcatc gacnctatnc 1020
ncncccc 1027

<210> 5046
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 5046
ncntntttcc tctcnaatcg nttggtgttc tttntgcagg atcccatcga ttcgggtcta 60
cagtatgtag aagcagcaag ttagtattaa tgatgatggt accttgtttg atggtcgacc 120
aatagagtct ctgtccctga tagatgccgt aatgcctgat gtagtacaaa caagacaaca 180
agcttataga gataagcttg cacagcaaca ggcagcagct gctgcagctg ccgcagctgc 240
agccagccaa caaggatctg caaaaaatgg agaaaacaca gcaaatgggg aggagaatgg 300
agcacatact atagcaaata atcatactga tatgatggaa gtggatgggg atgttgaaat 360
ccctcctaat aaagctgttg tgttgcgggg ccatgaatct gaagttttta tctgtgcctg 420
gaaccctgtt agtgatctcc tagcatcagg gtctggagac tcaacagcaa gaatatggaa 480
tcttagtgag aacagcacca gtggctctac acagttagta cttagacatt gtatacgaga 540
aggagggcaa gatgttccaa gcaacaagga tgtcacatct ctagattgga atagtgaagg 600
tacacttcta caactggttc ctatgatggg tttgccagaa tatggactaa agatggtacc 660
ttgctagcac cttagggcag cataaaggcc ctatattgca ttaaaatgga atacgaaagg 720
aaattcatnc taaatgctgg attnacaa 748

<210> 5047
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

<400> 5047
gnnnnnnnnn ttttnaaagn ccagctcttg ttctttntgc aggatccctc gattcgaatt 60
cggcacgagc agaaaagtta ctgcagctta aacaggaaaa ccctttcttgt tcaggactgt 120
catagccaca gtttgcaaaa agtgcagcta ttgattaatg caatgtagtg tcaattagat 180
gtacattcct ggnggtcttt tatctggtgg tagctttgtc ttttttcttt tcttttcatt 240
acatcagggt atattgccct ggaaaattgn gggtagtggt acccaggaaa taaaaaaatt 300
aagggaattt ttaacttttc aatatttgng tagttcaagt tttctacatt ttaagtncca 360
gaaactttta caaaaatgcc agtttcgaaa ggtgtttcct tgnggaagtt naccaagtta 420
aaggaagatc attgggtaaa ttactatttt tggnatggaa attttgctna aagttnactg 480
gtaaaggaaa cacctgctga ctttgcaagt ttaanggga atctattctt cccatttcc 540
aaacccatgg atatggaatg gggcccctga ccatgtggga agaggaattg gataatttgg 600
ggtggtttgc natggggtgg ttttagatna attgggattg gggtatttta aaattaacca 660
tttggnggaa nttnaatagg cctttnaaga atanccnttn aaaatggnaa aaaaaaatct 720

tcnaaaaatt tccaaaaaaa aaannnnnaa aaaacctcna nggnccttttt aaaacttntt 780
nnggaagtcc nnatttacct nnnaatnccc gaccntggat naaga 825

<210> 5048
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(707)
<223> n = A,T,C or G

<400> 5048
cnaatgctgg tngctngttc tttttgcagg atcccatcga ttcggggcta gcctgcacgc 60
acgccaagat ggagctccag gctagcccac agaacagccc agccgcagcc gtcctaccag 120
accagcacct tgtaaccaca gtctaaccca gcgggcacca ggcggtgaga cctcctgccg 180
ctgccagccc aggatagccc ccttgcctct tgcccaaggc tcaggctacc ccttgaggcg 240
tctggaggac actaggcttg acctggggag tggcatgatg gggggcaggg tccgaggcaa 300
cggagaaggc agaagtgact tagattgtga gtgccacggg gctgaggcct gcgccgacct 360
ggtctgctgg tgctaccagg cttgaacagt cttcaaatcc actgctatta ggcaaattac 420
ctggctcccg ctgaactcca gcacctagaa ctatgtcaca ctcgtagtag gccgctgcat 480
tggttgaaca aatgattttg aaagaatgaa tgtcttcctc tgtgcctgca tttcctcaga 540
aggctgtaac aaagattaaa taggaaaatt cgtggaaagt tcaaaaaaaa aaannnnnct 600
aanantcatn nnannnnang agnntnaaaa aaaaaaaact cgagcctnta aanctntagg 660
gagncgtatt acgtanatcc agacatgata ngatncattg atgagtt 707

<210> 5049
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 5049
ngnttttaaa tcagctctng tcttttgcag gatccctcga ttcgaattcg gcacgagaga 60
acacaggtgt cgtgaaaact acccctaaaa gccaaaatgg gaaaggaaaa gactcatatc 120
aacattgtcg tcattggaca cgtagattcg ggcaagtcca ccactactgg ccatctgatc 180
tataaatgcg gtggcatcga caaaagaacc attgaaaaat ttgagaagga ggctgctgag 240
atgggaaagg gctccttcaa gtatgcctgg gtcttggata aactgaaagc tgagcgtgaa 300
cgtggtatca ccattgatat ctccttgtgg aaatttgaga ccancaagta ctatgtgact 360
atcattgatg ccccaggaca cagagacttt atcaaaaaca tgattacagg gacatctcag 420
gctgactgtg ctgtcctgat tgttgctgct ggtgttggtg aatttgaagc tggtatctcc 480
aagaatgggc agacccgana gcatgccctt ctggcttaca cactgggtgt gaaacaacta 540
attgtcggtg ttaacaaaat ggattccact gagccaccct acagccagaa gagatatgaa 600
ggaaattgtt aaaggaagtc agcacttaca ttaagaaaat tgggcttcaa ccccgacaca 660
gtancatttg ngccaatttc tgggtggaat ggtgacacat gctggagcca agtgctaaca 720
ttgccttggt tcaanggatg gaaagtcccc ntaaggatgg ca 762

<210> 5050
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 5050
tgcttgctct tgttctttat gcaggatcct anctcccnnt ccnggnagga gganacagtt 60
actgactntc ccgcagacgt ggtgctcttt gaagggatcc tggggcagaa tgaggtggac 120
tatnnccaga agcaggtggt catcctgagc cangatagct tctaccgtgt ccttacctnc 180
nagcataagg cctaagccct gaanggccng nncaactntn accacccnga tnnctntgnc 240
natgaactnn ttctnantnc actnanagna atnactgatn gnanagnngt gcngatnccn 300
gtgtatgact atgnctcnca ttnccagnan gtnccgatan ctntccctga tganacnnnt 360
tgagganaca gatncggaca cccgggtctn acgcaaanta ttaanggaca tcagcganag 420
atgcagggat cgttgaacac tataacatcg tcacttcatt anatnncntc aagcntgcct 480
ttanangant tctcctntgn caacaacaga tncctggctt ntanaggatc ntnncatnga 540
ggttcncaat agatactnng tnggacaaac ancctnatnt gtgcaattnn attccntnga 600
ccatccnttt aatgggaaag ggncnttnna aacggggnaa acccaattng ttgncctaaa 660
aggggnataa aacccntttt naaacnaggn ntgtangnnc ttcanaactt gnnannaatt 720
atggccccca ttttaaccct ttaatggctt ttngtccccc g 761

<210> 5051
<211> 847
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(847)
<223> n = A,T,C or G

<400> 5051
nngtctatag ctggctctcg ctnttgtgct gatcncatga ncccatnnan nnnantnngn 60
cccgntgagg nctntnattt gcaccatgtt cgagtnangg tcctttccta aacatgntnt 120
aaaaatatan atncgatggc ttatttaaaa tgtccctatg catggngaaa tgntaaatac 180
cangtggatg antggttctn nnntatattg tgaatggaga attatncaca atgcatctat 240
atgtgtanac taataatgta naatatgctc ncttntnctg ntctgtgnan aatgtgctct 300
aaaatnccct gntngtgggt agcatgggct ggacagnnat tgattttcag aaaaatgctt 360
ggcttttggg ttnttggcaa tagggaagcc tgcngcaaat tatctcattt gncaaanaaa 420
anttattttn ancctatttg aatgtatgct atcttcanta cgcttccatc ttatgatnna 480
aggnntntcn natttctant ccaagacttc gngcntanac tgtcncagtn gggcatttga 540
tgncttgtca ccagtggaaa cctgaacgga aaggggctnn aggaccnacc ttattcctta 600
aggcccctgg agaaaaaccc gttnanttgg gctccttaga actngctngc nggggaaacc 660
tggaaaaccc ttgcccctng tttttaaagg gggngnncct tgggtttccc attngggngn 720
ctttaaanaa attttggggg ccccnaccna aaatttggcc ccggggattn cnnctanntn 780
ggctngccct tttaantcct taanttaaaa aggnccctta caattttggg canttggggg 840
gnnaaaa 847

<210> 5052
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 5052
agagnnnnnn ntttttnncta atggctgggg atagtctggn ctttttncag gtngccnanc 60
gantcgaatt nngcacgagg cttggatctt tgtcnaaacc ggttatgtat gtcaaggagg 120
agtttaaggc ctttccgcac caccttgtgt atccctngcc tgcncagcgc atgtatnacg 180
tggagttgct ccttaccaca ccttanntgc ccctgagccc tatttnctag atttcttngt 240
gggctggaaa cccccgtnct ccaccagcat ntccattatc ccaaactttc tagncctgct 300
gatcctanca nnaacggggt ggaaactgga gggcngcgtt ctggcngttg tcnaagaaac 360
ttatganttc tattatnagt acaangangn taaaatggnn ccaatattnt ttactaanct 420
catgntatat ngagangaaa ctcctatgat ctgnttcang aaggtggtta tngctnggcn 480
gttnacgggn tnnttanggn taccaaatnt aactctgctn tcatacctta atctgactan 540
tcnagnattn ttagatgttt ggggngannc atcctcttaa aatnggnacc agggcntggc 600
ttcngnngan gcngtgntna ccaagtgaac tatatgngnt ctcatcannt gctntangcc 660
nactggaaac acntttgncc cgcaagnnnn gctgttgagt cgatgtactg cnttcccatt 720
natggctaca nttgcttatn aggtngc 747

<210> 5053
<211> 1014
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1014)
<223> n = A,T,C or G

<400> 5053
gnnnnnnctg nnnnttaat cagnctcttg ntctttngna ggancctcg attcnaattc 60
ggcacgaggn nntgntcctt ntgnncnncc cnngntggng anatcnannt ggcttgtctt 120
nnnncgnacg cnngaagnaa cgggcntctc acgcgcntnt gnattgtntg acangganca 180
tgnacctncn tacnnnngcc atntgntnnt ccaactgcnt gaanggctaa tcctnggcct 240
gctctcnnan nggntgnntg tggnaaangg ngtttggttt aaaannncata nnaatnncct 300
tccatnattc agnctgtntt ttnacngggn anttnatnnt caatncntnt agctgntnan 360
cnncggcann gctcaattaa tncntgnact ctnnattttc cctnccnttg nanttgcnat 420
cacattaatg cggatcaana tnggntttta tgaggaantt ntctcgactt attaaggnac 480
ccccaaccnt gngctagtga tttttcaann ncatgnttgc angaaaaaaa ccctttcaaa 540
aaccttaatg gnaantttct ttgaggctta aanaataaaa tncctggggg gtttacttgg 600
ggggnccaag cgggggggga ntnnaannтt tngccttctt tnttttgggа accttttnan 660
ccnttgggaa atggaatggg accctccccc cnttttttag gggtaaatcc caaanggggc 720
cnttgnnngc ggnccccnna aaangtgggg ganatcnaac cctggcttng ggggatttta 780
aaaaaatttt ttnccaaaaa attnggnnnt nttttttttt cnnnnncnnn nnaatggggg 840
gaaatttttt ttttggggcc cnaaaattta aaccccggtt tttttctcca gggggnaaaa 900
aaaaaaacct ttttttttt tcccnnnnnn naaaaaatgg gggtnttaac ccaaaaaann 960
cccggtngnn nncctttтna aancnccaaa aancnttttt ttcccccgna nggg 1014

<210> 5054
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 5054
agagnnnnnn nnnttnttnn ctacttaatt gcttggctac ttgttctttt tgcaggatcc 60

catcgattcg aattcggcac gaggcattnc ctgctnggaa cctngtntac taatttccac 120
tgcttttaag gccctgcact gaaaangcaa gctcaggcgc nggtggtcgt tgtgacccaa 180
cctgcagtcg gtccnggncc ggccccccag aactncaact ggcaaacagg catgtgtgac 240
tgnttnanng actgcggagt ctgtctctnt ggnacatttt gtttcccgtg ccttggntgn 300
caagtngcnn ctnatatgan tgaatgctgn ctgngnngaa caagcgnngn antgaggact 360
ctntacagga cccgatatgg catccctgga tctatttgng atgactatat ggcaactctn 420
tgctgtnctc attgtactct ttgccaaatc aaganagata tcatcagang gagagccatg 480
cgtactttct aaaaactgat ggtgaaaagc tcttaccgaa gcaacaaaat tcagntgaca 540
cctcttnant tgagntcttc acnatctttt gcnactgaaa tatgatggat ntgcttaagt 600
acaactgatg gcatgaaaaa antcaaantt tttgatctat natnagatgg aatggttgtn 660
ccttgacttt agcttaaatg ggngcaactt taggtttctt cttgctntca tattatccga 720
aatttcctgg cttatnaact tttttnaaat taccatttgc aa 762

<210> 5055
<211> 1024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1024)
<223> n = A,T,C or G

<400> 5055
ntnnnnangn ancnctttga aacgcctctc tngtangcgg atcccatcga ttcggtntgc 60
ananggcacn aggctgctgg gcctggaagn ccttttgggg ccactcgcta attctcatgt 120
gtngctccgg cccctccagc tgcaggtggg tgtggagttt gaggccagca caaggatgcn 180
ggacaccanc gtctccttcg ggtaccagct ggacctgccc aanccaacct gcttttcaaa 240
ggtaaaggtc tnggtttccc tacgcgggaa acaggcagga agtgactcaa cttntgantg 300
ggatgtntgg gccaccacag gtgctggagg acagngagcn tgncaccctt ntngggcctc 360
cacattaccc ggggaacact tgttaaaang taatgtgggg ccgggtgccg gtnngctcac 420
gccctgtaat cccagcactt tttgggaagg ccaangcggg cccnaaggta atgggagaat 480
tgnagaccca tnnctgggtt taaacaccng gtggaaaact tccgttnttt taactnaaaa 540
aattncnatn nnaccnanaa atttaaaccc cnggatagtt gggttttccn gggttgccct 600
aaattgggtn nccaaaacct tacntgnnng ggntttnnaa gggnncgggn aaaaaaaatn 660
gggtnnattg aaaanccncc angtaaaagg ctngggaaac cttttggctc ggagtaaaaa 720
ccccnaanaa aancccgtgg cncananccc nggaaaattt tcnnnaancc ccctgggggg 780
cccgaaccnn tntnnnncca aanngaactt ntccaatttt tttaaaaaaa ngnnnanann 840
annacnnata aaaangctct tggggtnggg gacaaaaaac cccctntttt nacctantgg 900
ggnnntaatt ggcctttggg gngaaanaaa aannanaana ntnttnnnta taaaaaaant 960
cgggccctaa acncctttga gggntgagat ttnaaaaccc ccttngttta attatccccc 1020
gcct 1024

<210> 5056
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(822)
<223> n = A,T,C or G

<400> 5056
tnnnntnaaa cnnnannnnn tnnnntcctg aannanancn taannncana nanacnannn 60
natnaaangn cttcnaanct ggaaancttc nncgctcnag nagnaagacg gggaaccagn 120

gnctnacgag cnagacaggt nccaattagg acntcatctg gncnnctgtc agncatcaat 180
gaggggcnca atgactatag cttggancac agaccacaca cnncngcgan gntgcncggc 240
tngaagnatt atncacanct gcgnccccaa nggggcnagg tgatggagna taccaccatc 300
cttnggntgc ncgaggngga atttgccagn nangggaaat ntcagngtgt catctccaat 360
cactttggtt catcctactc tgtcaaagcc aagcttacng taaatagnng gggattaaan 420
gannnctttg gcattttaag attccnaggg gccaanaaaa ngnanaaacn nntcnctcgg 480
naatgttanc ccngnaggnt ntnatgngag ntanccacct gnctcnttct ttaccnacct 540
nannnnncac agaatnaaga tacttgggta tctgtatnta aacctgcnat tatgggtgaa 600
nacgacaccg nactcaattg tggatgagta acacaacana tgaaccanac ntgtanntgc 660
tcantttng acccnttntc nnttatnann nagctgaggn cggcaatctt nnnantggtt 720
nccccaaaag gnttggaatg annatcccng gggttnncaa ntngannntt gnaatatngn 780
agcnnaaatn gnannttcaa ncnnntnggg agnaaaaaan cg 822

<210> 5057
<211> 1103
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1103)
<223> n = A,T,C or G

<400> 5057
cggggaaaaa ctcctncaaa aaaancagan nnacctnann nnaggaggan cccttaaaaa 60
aatatggagg cccnttgngg gggacccccc ccaaaaacca nccaagaaan aantaagggg 120
ggnccctgg gggggggggat gaaaataang gggggnnccn tnnnggnggn annnannenn 180
nnnnnncnnn nannannana nnnannnenc nnnnnnnnana aannnnnnen nnnnnnnnnc 240
nnnnnnnnnn nnnnnnnenn nnnnnnnnnn nnnnnnnnnn nnnenannnnn ancnnnnnnn 300
cnnnnnnnnn nnnenannnnn nnnanngenn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnenannnn nnnnnnnnan nnnenencaa nnnnnannen ncnnnnnnee 420
nnnnenecnc nnnnennenn nnnnnennnn nnennaccan canacannnn ncnnenannc 480
nnnnnenann nnenennaa cennenenen necnnnnenn nnnnenacnn cannnnnnac 540
cncannnacc ccancnennn cnnennecnc cneccenacc nnennnenen cnnecnnnnn 600
nnnenannna nnancaneee nneccaannn cnnecnnenn nenceennen cnneccennn 660
nnenecccnn cnennnneen cnenenennc ncacnnecnn cacccaanee ncnnnenaca 720
nnaneeennc ccencaneen necnnennan cccaccneen ntennecnen canannaace 780
cnnannnnnn cnnacnannn nnnnnecnen nncannnanc cnnenenenc nacnannenc 840
cnnnnenenn nnannncaan cnnnnenatn nnennenana nnnennneen necnacnenn 900
cnnnnnecnn cnnenenanna nnnnannann nenceenenan annnnnnnann cnnnnnanen 960
nncanennnn cnnennnnnn ccnennneen canennnacn cneccennnee nnnnnnncan 1020
nnennnennn nnnnennnnc acnnenenen ccnnncanee neenecnenc nnnennnnnn 1080
cacnnnneen nnnanennen cct 1103

<210> 5058
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 5058
agagnnnnnn nnttntnnct actaatggct tggctacttg ttctttntgc aggacccatc 60

gattcgaatt cggcacgagg gnaaattgng catnnnnntg tttgcngatg gcnncnttan 120
ctattnnatt aangcncntt atactctgct gcttaactng cttgtaattg cacntnngtt 180
acctgcacat tttcatatng aatattgtgn tancatngct tantgtgngt ctggatggaa 240
gatncntggg cctacaggat cattaatgac atattgttta tattacagta ttatatctgt 300
gncatcagcn gtaantncat ttntttacaa atanangcct gttccatttg aaanatatac 360
aagtgtgtgg ncaaaaggaa gtatacccag nancaagccc atgangagtt tcagcaagtg 420
ttcattcctg antgcnatga ctacngcgcc tacagtcang tncagtgtca cagctacacg 480
ggatactgnt ggtgcgtcac gcccaacggg aggcccatca gcggcnctgc cntgncccac 540
aagacgcccc ggtgcccggn ttccntnaat naaaagttnc cccaacgcga aggnacatga 600
aaaacagatg atgccgtanc ttcanngtnn ganactcanc cttaaggnga ttaagaaaat 660
tttgcatnaa gtttaccctt acccttttgg aattgaacan ggttaaaaag ttcccaataa 720
cnaaaaccca ataaganttc aatggcctcc tntggancca a 761

<210> 5059
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 5059
gngnngnnnn nnnnngnnnn nnnnnnnngn nagnnnnnnn gaggnntttn ngatacagct 60
cttgttcttt ttgcaggacc catcgattcg atcantgtga actcttaaan catgcngaag 120
cnnctctagg aagtgngaat ctgatacaag ctgtgatgtt gcctgangga gangatctca 180
atgaatggat tgctgtgaac actgtgggat ntcttnacca gatcaacatg ttatatggaa 240
ctattcagaa ttntgcctga ancaagcttg tacagtcatg tctgcanggn ccagatatga 300
atatcactgn canatggtac taatattaaa aagccaatca aatgttctgc accaanatac 360
attgactntt natgacttgg gttcaagatc agcttgatga tgaaactctt tttccttcta 420
agattggtgn ccatttgccn aaactttatg tctgtgngca nanactattc taaagcgtct 480
gntcagggtt gatgcccatn tttatcacca gcactttgan tctgtgatgc anctgcaata 540
ggaggcccac ctcancacct gctttaagca ctttattgtc tttgntcagg agtttaatct 600
gggtgatagg cgtgaactgg caccttgttc aagaattaat anagaanctt ggatcacaan 660
acngattaat gtttnttnta gaacacagtt ccccattgct taatctattg ntagactatc 720
tnattgctat ctggtattng actacg 746

<210> 5060
<211> 808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 5060
agagnnttnn ncnnctgaag ccctntaaan nggctgggta ggtcgtnctn tctccangca 60
gccannngcg nntcgaattc ggcacgcagg tagcgacntt tnnagtangt ggtgggcanc 120
tcaccgtggg nacagttagc ctntctatnc ctngcntnct ncaactccnc gnantngcta 180
aanggctggc nanaaagcat gnaaaggact ccgnaaaggc cannacataa cgcngtatnc 240
nccgattcgc anancagctc ggntggcagt gnccactngg antcgtnnta tgatcgacac 300
ctagagatga tactggcgca cncagcnttn gtncaacgcn ggctcaactt ggcnacnant 360
gncacnggng caggngnncc tggagtacnt nnccgnaagc ngtgctnnga ctnggcntgg 420

actgnntcan aagactnnta ngtaaaccgt atctccacnc gnatcntgca actatgctnc 480
ccttgganat gagnnancag antgtcatan aaangntaca antgcngata gtggnncant 540
cacananatg cacagngccc ntnttgncaa natnggacat cccaggaant gccagangat 600
canggangcn ttgaaatntt angactnnta antgtcncnc gcttgtnaca gagctgnttg 660
aaaggcagtc ggantgcatc cctggngaaa gcccacaagt nntgacgttt tggggattng 720
natttgaanc aaaagcngaa gaactttaat taggattctn cnanccatcc cnaattgctg 780
ggaattcgaa atctttaacc acatggcc 808

<210> 5061
<211> 792
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(792)
<223> n = A,T,C or G

<400> 5061
taannatcag ctcttgttcn ttgaagcctg ctatnnncag ctacttgttc tttttgcagg 60
acccatcgat tcgaattcgg cacgagtgga aaangtttta tttntncact gnngttgncg 120
gttaataana tggtgncaaa cgtgcnctgg tnacacactc gantatntnt ttangaaatg 180
ntnatgtggg natgattacc nttagatcaa tactttaaat aattttaccc nttttacaag 240
ggtaaccang ggcatactga aactttagaa cncttncngc aatnncnatg ggggangttg 300
ggtgangctt nggatccctc ttttnngttt tgcacgntgn aanngangtt nccagntggc 360
atnttgaata tgctgctttc caaaaaccca ngaagttnta aaattgcttc ctggncttag 420
aggactaana acaagaccct cattcccact ttcatttnca ctctagcaaa aactgggctt 480
gcgtanttct ccanctactc gnntatatcc tcnttccatg tncaaacctt ncattcctaa 540
gngggattgg cttactttng cccatccata tggcagnatn tntaatagct ttgnaccggt 600
attagatctt ggccttaggc ccangttcaa aacaagtgcc natctatgac cagggnccaa 660
anaaaaaana tccaggattt cgaangagan acnntncatt gggantnaag actcntacna 720
agtccttagc cnttttcata aaagcctggg cctctaatgn ctgnnaccat tttaanggga 780
canttatnaa an 792

<210> 5062
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 5062
tttnaaancc ntggttnaat ncctnnttga ancctttta tgatacagct cttgttcttt 60
ttgcaggatc ccannnncag gcttgaccca ccgcgcccag cctgtaattt cttatacttn 120
gtatnttgta cttgtattat gcttctgata cgctataatn atttatgtac atgtttttt 180
nctncaatan actgggaact cttcgaatgt aggactnnta atgctagata ctcaattatt 240
ttntattaaa ttgaatgact ngaaactaca gatccttnat ntaaacttcc caaatttatg 300
ctgtatttaa ncngctcttn aaatctggtc nntaangnga attntnaagg cttgggacat 360
gcacatgatg gntgtattgc caactgngaa aaggtgatgg nttactggag caggggcaag 420
gacacctggc cccgcccgga gcaaaaactg ntcaaccaca aacgatagca ggaaaaggcc 480
tgtgncttnn gcaacantgt nttgctgcag ataatnncnc agagcctgnt tctctgntct 540
tnctgagatt gctttggttc cataaangat tgttttagct aatctacaat ctatagaagc 600
aatgntanaa cttggttttt tggantaaan ngnnggggna aagnttngna atgtgggntg 660

tcaannttttn gaaaaaannc tnnatacnan caaaanttna nccattttna atntttagng 720
gnggantant ttnatnnann nttnntagan actntgntga gtttgnaaaa acccaaantn 780

<210> 5063
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 5063
cgnnnctttt tgaacccatt tctcgttctg caggatcnna tcnattcgaa ttcggcacga 60
gggaacttac ccatggggac taatntggaa aaggtctgtc catagtggnt ccctgaagac 120
tggaattact tcagcaaaac ttncccatga acagctaatg tgtanngaaa gantgancta 180
gcaaatgagt tttaccgggg acaaaaaatc aagcanaana gtgaatgctt agaaccttct 240
caaagcantc acaagtacag acacttcact tagcctaggg ggccttccag ggttcttgtg 300
gctgntgtca gagcaggagc tgggggaggg aagacttgtt ctctctttct tgaggggtgg 360
cattaggaac ttacgaaacc anagaccttt ccctatgact tggcagnatg tgaatatcct 420
ctacacttag ttattgataa acttcttaaa gagatctgct attttcaggt agtgccataa 480
tctgcactta ncattggctt gcttcagttg ggcctcttcc canccagtat gcccaggtga 540
actttcgagg ttgtcattaa gtaagttgtg aaatttctgn aataacaaag gcagtcnngn 600
attctttcct tttccnccaa attcctaagg caaaactttt ttatggngct ggtnacatgg 660
ggagtnacac aaccnnctga ctttttctca ttgccattgt aatgactgat gganaacccc 720
accncctggg atccaaatga caattgtgct gaaaaaccna tc 762

<210> 5064
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 5064
gnnntttnnn atctgctact tgttcttttt gcaggatccc atcgattcga attcggcacg 60
anggtgactg cagttgacga aagcatgcca tggggtatgg ggacattgnt gggccacatt 120
ttggngacng accccngctg ttgactttgg gacccnatcc tttgannttt ggcntgccct 180
cntagngctt ggaattccct gttttccagc ccancccna tggtatgtat attcnttaca 240
agtnctccna aagancannt gtctaggatg cggggagggg aggttccttc cntangggag 300
cgtgganaga agggagcagc cttggggttg nattntnggt natgcntcan attgggcatg 360
catgggatgg nanangggct cagccactnt cctncagaat cttcctnaga ccctncaact 420
gcantatgta atnctactct gtncttcata naagggangg agccacatat gacattccag 480
ttctaagccc ancatggang aacangncta tgtccccata ngtgangtan aagtagaggg 540
cttcacctgn cagtatncct gccgctactt cctcacataa ggaangacga agaagnaacc 600
nggacctcgc tttnccatgg tgcantcagg aacanggttt tacgcagctg gccaactntg 660
aggctntgct gnctttttnct gtggncagtc caggaaatgc ttacaccacc ttttttccca 720
ctnttncctc ttggattntg ggggncccnc aaaccggaat tnn 763

<210> 5065
<211> 762
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 5065
cgnnnctttt tgaacccatt tctcgttctg caggatcnna tcnattcgaa ttcggcacga 60
gggaacttac ccatggggac taatntggaa aaggtctgtc catagtggnt ccctgaagac 120
tggaattact tcagcaaaac ttncccatga acagctaatg tgtanngaaa gantgancta 180
gcaaatgagt tttaccgggg acaaaaaatc aagcanaana gtgaatgctt agaaccttct 240
caaagcantc acaagtacag acacttcact tagcctaggg ggccttccag ggttcttgtg 300
gctgntgtca gagcaggagc tgggggaggg aagacttgtt ctctctttct tgaggggtgg 360
cattaggaac ttacgaaacc anagaccttt ccctatgact tggcagnatg tgaatatcct 420
ctacacttag ttattgataa acttcttaaa gagatctgct attttcaggt agtgccataa 480
tctgcactta ncattggctt gcttcagttg ggcctcttcc canccagtat gcccaggtga 540
actttcgagg ttgtcattaa gtaagttgtg aaatttctgn aataacaaag gcagtcnngn 600
attctttcct tttccnccaa attcctaagg caaaactttt ttatggngct ggtnacatgg 660
ggagtnacac aaccnnctga ctttttctca ttgccattgt aatgactgat gganaacccc 720
accncctggg atccaaatga caattgtgct gaaaaaccna tc 762

<210> 5066
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 5066
agagnnnnnn tnttgtctac taatagntgg gttggntnnt tnttctncac gcannccagc 60
gnntcgaatt cggcacgagg tccatctttg tagctgacat gacacatttt aaaaatttca 120
cattaaaatg aaggcatcta atggctccat tatgtctttt agagtggtct ggcccagcta 180
attgcatatt gaaatacatt agatttgtca taaattactt tcctttattg tcttttctgt 240
caatcttagg acattaaatg tatatgtttg aaattgtgtt taggtaggtt atctgagcat 300
ttggttcana tagtaaagag agtgttataa gttcactgta agccccaggg gctttgggac 360
tgatagggtt tagaacattg cactagggga aatgaattgt aaagtaatgt tntttctcta 420
gactaatgat tcagctgaat taatactttt aatgtgaagc atttttaaag aaagcaaacc 480
agcctggtgc ggtggctcac acctgtaatc ccagcacttt gggaggcaga ngcgggccgg 540
atcacgaggt caagagattg agaccatcct ggccaacatg gtgaaaccct gtctctacta 600
aaaatacaaa aattagctgg gcataatggt cntgcctgta gtcccactac ttgggangca 660
nangcaggag aattgcttgn acccgggana tggaagttgc atgacccaaa tcgggccctg 720
nacttttacc tgcacanant gagant 746

<210> 5067
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 5067
gnnagnnnnn nngngnnntt tnagatacag gctacttgtt ctttttgcag gatcccatcg 60
attcgcaagc attcaagaaa taatggtgag aatagcctgc taatagcatt attccatatg 120
caggttgatg ccgccttacc tttggacatc ctaacctatg aagagaagac cttgtcagcc 180
atcttgagaa tatgtagcag tggtcttgtc aaattgtgga gctctttgac cctgttagga 240
tcctataaag gcaaaaaatg tgctttccgg gtgattcaag tttctccatt tcttcttgca 300
ttatctggta atagtaggga actagtattg gattgaatga ataagtcttc cattttggaa 360
acgttcatcc actctcatat ttatttttg gtgcctgcat gtttgaagac tgaagcaggc 420
taaaagctct tgatgaaatt tgagggtgct gaagatgttc ccactaattt ccagccatca 480
cctttggtgg ggtgggcttc ggaggacaag tctgtctgaa cctgccagtg ctgaccctgc 540
agcactttca gcatatgcac atcaaaagtt ggagaccgcg cctgaactta nganggcctt 600
cacacagact gatgtggcta cccttctcag aattaacagg ggatgtcaat cctttgcatt 660
tgaatgaana ctttgcaaaa cacaccaagt ttgggaaatn caattggnca tgggaagttt 720
tgacaacgga ct 732

<210> 5068
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 5068
gggntttata tatcagctct tgttcttttg caggatcctt cnatcggtan ncngnncgan 60
ctganttcgt acnnagngct gctnntacct gggctnactg gannnctcca nctacncagg 120
cagnaggatg gnagctnaac tnccangang agcttgcaga gnncctgnna tccgtgccac 180
tgcactccag cctggcctna cancanccgn gactcnngnc tnntaancct aaaagnctcn 240
ttatcagcat gcntcccatt ganagngtcc tacatnctgn gacattcacc tatattccng 300
ggncctntta attnncaacn actgctctta gangtcttag nctttttatgt taattctnat 360
aaatncnatt gaatanatat tatncccaaa tcttagtgtt ngcatnttag ctattnaanc 420
ctntccaang tangttaaag gccaccgttt tcngatnaat nctncntttt atantcnatc 480
tggaatancg catttctntg agaataaaag anagtttntt tnaanaatag gatcttttng 540
nccccttcggn ncgnccttta tgncccntag ctgctttggn gcaantntga agttgagnga 600
tcnncnttgt agccctagga atttccanan ttgcnctgnt gtnantggaa cttctnancc 660
ttgtgccnan agnantnatn nccccttntnn tttttaaaaa nnaattngtt tcaaanttcg 720
nccttntttn aataggcttn anatgnttat anaccnnggn cnaagttntn caatcttnan 780
tccctttnag nntccnaatn aatntaaant ccttnaatng 820

<210> 5069
<211> 833
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(833)
<223> n = A,T,C or G

<400> 5069
nnnnnnnatn atnnnnntnt nnnntntntn nnannnntnt ttnnnntntt ttggtgaggt 60
naatcttctn ttancctcca nntntcgntc tnnttgcant nccngtcgat tcngataact 120
agtcaataag gaacaggatc aacggccact ccacccatgg caaatccaca tgcagggnnt 180
ctncaccaag gttccagcct ncaaagtgaa anacgccntg gaacagcnag ggaggtnaac 240

aataattnaa nananagaan ggaataacgg cnnaagaaaa ngaaaanaga ancgaaanaa 300
ctaangntng aaaaccaccc ggaaaactca aggaatcaca atcctaanaa gcccaaaaag 360
ggacaggang ctnancttga ngctggtggg gaggaantcc ctgaggccaa tggctctnca 420
tggaananga gcnagaataa gaancanngc aaggacancn ccncttagga atangcacgc 480
gttggcgcng ggaaaacgaa ncngangcac tctgaanttt aaacatattc tnagaaacaa 540
caanatnaag cttccagaac attctgaagg gcnganaacc agaataccat naagctcctg 600
caaaaagtta attnnnctgg aagggaacta ttaaancatt ctnaaacaag ccccaaacaa 660
tnaaataacc ctcaaaaagc taangaaaaa agtttttnct tantactaca caggtgacca 720
gatttagcct tnaccagatt tccaaanaag gaaactncct tgggtcattc ttttaacaat 780
gaaaaattta tctacntaaa nccttttctt tttaantttt tttaaaaagg gng 833

<210> 5070
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 5070
agagnnnnnn nnntttgtct tntggctctt aanaggcttg gctacttgtt ctttttgcag 60
gatcccatcg cttcgaattc ggcacgagga gccctcttat tgtatatact gaacgcattt 120
ttaaattgaa gagatactat tctgtgtatc tttgcaggcg aatgagtcct aggttggcca 180
gtgtctcact agttgagatt aaatttttgc ttatacttgt tgatttgact gccttctgaa 240
tagtattagg aacacattgt aaatttgttg ttgatggctg gctgaagttt tccagcacat 300
ttcttgaggt tgccaagttc ttctacaatg actgaatcta ctcttcattc attctagtca 360
gcagtctcac acttaattcc aaggtttact taagattttt ttctgaaaaa gcaatgcttg 420
ctttccatat ttgcatattt tttctctgcc ttaatagcag aaacaatggc ttcatcttgc 480
atttgtatca gattctttcc attgatatat cttgtcctta ttagctagtt gtttcccact 540
gggtgcagtg gcttatgcct gtaatcccag cactttggga ggtcaaagcg ggaggattgc 600
ttgagcctag gaattcaaga ccagtctggg caaaatagtg agaccccatc tgtcaaaatg 660
aaaaaaaaaa aaaaaaactc gacctntaaa ctatagtgag tcgattacgt agatccagac 720
atgataagat ncatggtgag t 741

<210> 5071
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 5071
nttttttnaaa acnacangct ncttgtgcan gatcccatcg attcgaattc ggcacgaggg 60
tggctcggnc tgtngctgng gtttcctgag ttgctgctgc tgcggcggcg gcagcggcgt 120
ctgtgcttgn ggaggtgtcg gcctntgggc ggatgttgac attgtgttgn tgttatngct 180
gatggtaatg gcnncggcgg nggcngctga cggtccagac cccatccact ctgtagccgg 240
agccganaca gccgacagcg aactncncgg cctcgnatcc ggcagcagng gngactnccc 300
tcagcctgcg ccgcctnncc cgncggtncc cnngagccaa cccngggagt cangncctnt 360
nngcatggga gctcgnaagc tnangatggn ngatttacac aaaanctatg atgaatagga 420
ggacnaggan cggccctgga ggagcagctg ctcaattact caacggaccc ggtggtcgtc 480
ctcggatccg gtcanntcan cgtatnagga ctgagcaaca aatttgaatc tgaattgcct 540

anttcattaa ctggaaaant cactcctgaa gaatttaaag ccngcattaa cattantnac 600
aagttggatt aanaaaaacc ttctgtaaat gtccgttnct ncttagngga ngccttnnat 660
tgctgctgcc attangtncn ntttgtggcc agtnnttggc tnaattaaag aacnctaaaa 720
ngttgagnat ttantagaat gggaaaancc atccgttnnt 760

<210> 5072
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 5072
gntttactna tatcagctct tgttcttttt gcaggatccc atcgattcga attcggcacg 60
aggaccgcca attctaagat tgtagtggta actgcaggag tccgtcagca agaaggggag 120
agtcggctca atctggtgca gagaaatgtt aatgtcttca aattcattat tcctcanatc 180
gtcaagtaca gtcctgattg catcataatt gtggtttcca acccagtgga cattcttacg 240
tatgttacct ggaaactaag tggattaccc aaacaccgcg tgattggaag tggatgtaat 300
ctggattctg ctagatttcg ctaccttatg gctgaaaaac ttggcattca tcccagcagc 360
tgccatggat ggattttggg ggaacatggc nactcaagtg tggctgtgtg gagtggtgtn 420
aatgtggcag gtgtttntct ccangaattg aatccagaaa tgggaactga caatgatagn 480
gaaaattgna aggaagtgca taagatggtg gttgaaagtg cctatgaagt catcaagcta 540
aaaggatata ccaactgggc tattggatta agtgtggctg atcttattga atccatgttg 600
aaaaatctat ncaaggattc atncctgtca acnatggtaa aaggggatgt ctggcattga 660
caatgaannt ttctgagcct tncatgtatn ctcatgcccn ggnattaacc tcgtnttnac 720
ccnaacctan ggatgatagg tt 742

<210> 5073
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 5073
gnnngnnnnn nnngnggnnt tttatatcta ctggctactt gttctttttg caggatccca 60
tcgattcgaa ttcggcacga ggcccgagag ggaacctcct ccgctggggg acgggaagcc 120
caccgacttt gaggatctgg aggacggaga ggacctgttc accagcactg tctccaccct 180
agagtcaagt ccatcatctc cagaaccagc tagtcttcct gcagaagata ttagtgcaaa 240
ctccaatggc ccaaaaccca cagaagttgt attagatgat gacagagaag atctttttgc 300
agaagccaca gaagaagttt ctttggacag ccctgaaagg gaacctatcc tatcctcgga 360
accttctcct gcagtcacac ctgtcactcc tactacactc attgctccta gaattgaatc 420
aaagagtatg tctgctcccg tgatctttga tagatccagg gaagagattg aagaagaagc 480
aaatggagac atttttgaca tagaaattgg tgtatcagat ccagaaaaag ttggtgatgg 540
catgaatgcc tatatggcat atagagtaac aacaaagaca tctctttnca tgttcagtaa 600
gagtgaattt tcagtgaaaa gaagattcac gactttcttg gtttgccagc aaaattagca 660
gccaatattt acatgttggt tatattggng ccaccacttc cagaaaagag tttagtaggg 720
atgacccagg gc 732

<210> 5074

<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 5074
gnntttctaa ngcnngctnt cttctgcngc tccnncnatc cgtgnntaca cancacgncg 60
angnntntct gactnttnnn ctatgtaata ngcaggngta gttgnntntn tgctgccatg 120
natgnatnna catnncatgt gcagtgtctn acgtaatacn ctccnatnaa nctngttgnn 180
cntactnntc nncaacntgg atatgncant ttgnncagna cnantgntgc anattggaan 240
atgatggcct nactcttacn atgtgattgc ctatatgncc tctnnacctt gaatacntnt 300
gntatncnan ncanagtnct aaaggatgnc natnatagca gcnctctttn naaataagga 360
aacntccttg aataatgtaa aagcctcata tacaataatg aataataaag aataatgtga 420
aggcttcatt caaggttgnn gtttgccaga tcattgcaac aaaatgacag agcanccaac 480
gtatttanga tagtggccaa agtattgtaa tgatggctta tggagtgtca gctggataaa 540
gagtgaaaat gactaaaaac taatggattg ttcagtcgaa tagcanatgg tcaatggtca 600
tggccagtat aatagggggga cccaaatana aattggaaga cccagtcana agtggggant 660
tgatcaattc canccaaaag tgggaatggg caggggaatc ggtaggcccc anggttccaa 720
aaatgttacc agnggncaat tttgttggcc ccatggtggg gaatccaang gc 772

<210> 5075
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 5075
agagnnnnnn tnnntcttat cgcctaatgc ttggctactt gttctttttg caggatccca 60
tcgattcgct gtgaagacct ggaaacagac aaaaaagagc ttgccaagct ccagactgtc 120
cagctggatg aagatatgca agacttatga actttatttc ctcctcacct ctttttggca 180
tcagcggcaa atcttttcat gaagccccaa ggacacaaaa catttcccca tttaaaggaa 240
aacactctag ttttgcaagt atatgcatac aagagacttt agattgatct gcatgaagat 300
cacagttaag tatacaggag tagaactgca ttattgcagc ctttttgttc acttataaat 360
ttctctttta aatagatgga gacaaaggac aaggtgaaat gtatcaagtc aaagtgaatc 420
atttagttga ctctataatt ctaaggtcaa aatggaactt gatagttttt taaattaaaa 480
aatgtataca cctaacatag aaaattaaag atagctgcag accattagaa ataatacaat 540
tgtttttgtt tacttttact ccatgggcat tgaaaaggtt aagaaacata aatggtccat 600
atttttaaag ttaagtagca tgcatatata tatgcacaca cacctctttt tcagcatttt 660
ttgagaaagt cttggggtct caaacacatt tgtctcaaca catttccaaa tgtggattct 720
aatagctcan tgtggctgaa aaagtgccna 750

<210> 5076
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(761)
<223> n = A,T,C or G

<400> 5076
agngnnnnnn nttntctnnn ctactanctg nttggntgtt gtttctgcan gcaggcnntc 60
gattctaatt ctgccgnacn cgngagtaaa gctggaaaat nacctataaa taatggcana 120
aaaaaagcta acaatangga agaggaacta tataaaagga acatttggag catagaagag 180
agttcatgga aatgtnaaaa atgatggtac cctgggtttg atatagtaag taaaaaacta 240
agggtaagag ggtcatgaaa gcatctagaa gtaggaggga aagccagtca aattcacagg 300
atgaagtcag gaagataatn gagcagtgcc cgcaagatcc tgagggaaag caagttccaa 360
tctataagtc tgtaaccctc acacctgatg gccccttgaa catattcagg gcttcaaaag 420
attgatctgt catgcaccgt ctgccatgat actgtgtgag gatgtgttct tcttcttaaa 480
cattaaatca agaaagaatc aacagtggac ccagttaata gcngatcagc cnaggataag 540
atgccctaga agatggtgaa gggaaagtct cagaactact ggtcttcagc aggcagcgaa 600
gacacctgat ccatattgga ntggtgggga tgcgaacttc aggaagggat gcccccaagg 660
aaaaattggn aagggntgat gactgncttc aanaggttcc aggtctttta aaaattttcc 720
ctnccaaccn tcacntttgg ctttngaaan ccncgcctga t 761

<210> 5077
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 5077
agngnnnnnt tttntctctc gcctaatgct tggctacttg ttctttttgc aggatcccat 60
cgattcgaat tcggcacgag gacnanccct ngcgcctgcc tntccangat gtctacanaa 120
ttggtggtat tggtactgtt cctgttggcc gagtggagac tggtgttctc aaacccnnta 180
tggtggtacc tttgctccan tcaacgtttc aacggangta aaatctgtac naaatgcacc 240
atgaactttg agtgaagctc ttcctggnga ctatgtggnc tncaatgtca agaatgtgnc 300
tgnnaangat gtcccgncca aggcaacgtt gctggtgacc gcataaatgn cccaccaatg 360
gaancatctg gcttcactgt tcangagatt atnctgaacc atncatgcca aataagntnc 420
cgntnatnnc cctgtnttgg attgccacac ngtttacant gcatgcaagt ttgntganct 480
gnaggaaatg attgacnncn ntctgnntan aagntagccn atggccctan attcttggac 540
tctggtnatg ctgncatngc tgatatggtt cctgncaagc ccatgactgt cgaanagctt 600
ctcaagacna tncaaccttt ggntcncttt cgtgctacga ggatattgng caccggacag 660
ttgccgnagg cnttttgatc aagggcccnt ggacaaaaaa gctggtcgaa cctggcnaag 720
gtnaaccaan ncttcccccc aaaacttcan naaggnnaan tgcan 765

<210> 5078
<211> 969
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(969)
<223> n = A,T,C or G

<400> 5078
annnnnnnnn nnnngncnnc nnncnnnnnc nnnnnnnnnc nncnnncnnn nccnngnnnn 60
cnanncnann ggggnnnncc gntnaaaacc ggtngcccnn gcgcncgggc ggggngncnc 120

nnanccgaat ncngcacgna cggggccgnc ggngggaccc tgggntgggg gcnagaanca 180
nccgacgcng gccagaanag ggggnctggn gncccaagan agaanncatg antagnacac 240
tgganacnaa anccgtgtgg ggacacatga anccccnanc ccatgngtcg nancctgccc 300
anaagtgant gtgnagntna ctggaagttg gggntccaac cgncaaaccg tgggatccca 360
aaacnncang ncaagccagg accttngcac agcccgnaaa ggnanatncc cnctnaanng 420
tctngagacc cgggntgnct gggggaaaca gcaggcccgc acantgnnng gngtngggac 480
ttancggaaa catgggtaac gtngcancag cgccacggga gtccaacccc tgaaaatacc 540
caganctcgc gtgnanancc aaccgngnnc ccaaaacaaa gcnaggggnt atgggnttaa 600
aancccnna nttnaanagc ccnccgnggg gnaannangn agnnttttg ggancccaaa 660
ancccnngga gggggcccag ganncgaaaa aangnatncc cnttnaaaag gncnccanga 720
actnanaaag gganaaccan nntncgnngc ccaatntnac ccccaannca aatncccnnt 780
tccgtgcngn cccaatnatc cnccnagtnc cattntggcc ncnagnggng ggggnncnnc 840
aaangncttc ttgnaaacan atnggggaaa ccntttnacc aaaaaanngc gnannnggg 900
cccaatancc accgggnccc ccccanannc annggccann ancntgggcc tccaaaaaaa 960
agaaannggg 969

<210> 5079
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 5079
agagnnnnnn tttttgtctc taatggctgg ctacttgttc tttntgcagg atcccatgcg 60
attcgaatgc ngcncgaggc nttagttgct nnttgaaaag ggaactgcac ntgatcnnat 120
catggaanga tagctncact ncttnccgac cttggtcaca ggccgncatg agganggact 180
gttccantgc tncngnggcc nctgncntgn tnctcatcac tggncttagc tttggagtac 240
ncaactccaa gtggcccgag tctagactct atcaaatncc acactgatag caacaatgan 300
tgcatctgat gtgtgctgct ggcnatctta agcccaaaat gcttcaaaga tnaaacagnc 360
atatacattn aagatacata tanaaatngt nnaattngaa tgtatacaan ntagattacc 420
ctaacgaact tcactacaag aaatncatct tatatccnng cacnnaaatg tgganntnta 480
catgaaagga tataccgttt nanaaaccac atnccatntc taaatgctga ntgagaaggc 540
ntggactact aaacctggat tactgatnaa atttcaaaan gancttgatt ttgctagcag 600
aaatcnttac ccngttctcn agcttctata ancagttctt gaagggatta nacagctggt 660
cctctntcca aattctggat taatttcagc tgtgtatttc cnannnaatc tttcagcctc 720
tagaactata tgagtcggnt tacgtann 748

<210> 5080
<211> 949
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(949)
<223> n = A,T,C or G

<400> 5080
gncntacttt nttatcntan cactctgctt tncgtcatca tcgantccta tnatgtgggt 60
tnacctnatg cgggnntaan ccagnaacan cntggcccat gtnnccntga actcacattn 120
tgttcatgna ttccagaatt nttnantgga nagattaata gncagaaacc ccactaggna 180
canatcacna nacngacgct tntagcttgn agacctntta ggcanaaagt annaannana 240

ntnggatctt gcngncctta atctcttccn ggaananggg cctatagntg gcnacttgga 300
aaacacggcn ctgntccann gtttnntgcc ccnnacccga gacaccacna gtgtcacctc 360
caaggggggn cttcaaannt tggggtgcgc ccggtacctn ttgaaaatga aggtcncccc 420
caaatggggn gngagttnnc catncctcgc cccttgnggg ttnatttggg ngaacctcnt 480
tggncccctn tttttacttt taggggggcan cccccatttt cnccttttggg acccccttng 540
gattttgtcn ccttgggaaa acaatttttc ggggnccaaa actttanaat tnaannttgg 600
tttanagcna anantgtggn cccaaaatgg gtacangggg gttnccccaa caaaagccgg 660
ctctttttga tattgcatac ctcaatnccc acttgtcaat ccnttttaa ttactttanc 720
ctctaacata atgaatntta ncgccctnan aattccntcc tganatacat gtgangcctn 780
ttgcctgana aantgacacg aatnattttt naanngatct nntgannnnc nctcancata 840
cgatattnta cntctngnct tnagaanact cttttattnc ctggnagatn aaaanggtan 900
cantntaang ctntnttgtc atcctcanag ganttaangc tataaaann 949

<210> 5081
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 5081
ngnttnaaca cctgntgtcg ttctgcagga tgnangancn ctngnttcga angngcnang 60
ngtgcatgat nctgnccnnn nattgctagc gntaanaccc ncgagggagt atggatncct 120
gnaaagcnct ctggtccttg ggaanccnnt ccttnngtgc ntnttattac tgnaattnnt 180
canaagattn tgagatgctc ncagtgtcnc attgctactn tnattgtaat cattatggga 240
ttgatacgct gtcanaanta ctgccagcgg cagctggagt tgcttngcat ttcacagtac 300
anacagnaga ctatgtnaat aatnggcaga anaattctac tnngctgtgg aattcccaaa 360
ctaatatggn ccagaaacta gctaatcnaa tcanttatgt ccaacaaact gtaatgnggc 420
taggagattg agncgttagt ctagaatata gaatgcagnt acaatgtgat tggaatactt 480
ctgattnttg cattactcct catctgtata atgaaagaca gcatgagtgg gaaagagtta 540
agaaacatnt gaaaggncat actggaaatt tactttagat attntgcaac tgaaggaaca 600
antttttcaa tctttctttg gcacatctgg acacttaatg ccaggaactg aagttgcttg 660
gaaggcgctt caaaatggga ttaagcaact attnacccca ttaaaaatgg atcaagacca 720
nnaaactana anaaaaactc gaacctntta aaaccattan tgangtcgga ntaccttan 779

<210> 5082
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(935)
<223> n = A,T,C or G

<400> 5082
atgggnatgg nnnnnnnnnn nnnnnnnttt ttttgtttaa aaaccccttt naaaaattgg 60
gnacccttta nggggtntaa attanaatcc ctnttgaggn ncttnntacn ctccctcnaa 120
naanttaana cactantatg gccgtntttt tcccnccnta cctttgntnt acacccccat 180
tgtgcnaaaa gntnncgcaa nnggtnncga ccaaacnttg acannctcta tagtaanttt 240
acnacncnac ttgnncactt cgccanctct tnaacgccan actagtagca gaagtactcc 300
acccttnaan aaaacanaca actaangccc ttttactgcc ctcatcatcc nnttangnac 360
ctgcttacct atgaatgcct nttanacata canatntaat acctggaaaa tcatccaccc 420

ngcccncata ttcaaacnan acaacacatc cnnacactag anactcttgc ccccacatcc 480
tcaggtncna caaaacanaa aaggnttnct ncncatantt cttactggcc ntncctgaac 540
tangnaccgc atncaaacca cntcatcnct tantannttc ncttgctcct tagccagctt 600
ctgncctgan aaccnccaan ctggaaaaac acatctnccn anatccattn cttgngatca 660
caaanacnnt nnnccgcgnn ctcaannncc tactcaaaga tccactgtcn catctgnccc 720
cctanacccc tttncntang cattcctaac tttntanaca aactgcttta cncttagtnc 780
anggaactnc taccttgcat catcncccnt ttttncntna ctttcttcct ttgatcctta 840
cncttcaaag ggccttnnga ancnttgacc cnanaatnaa atttaattcc ccnttnttgg 900
aggngtcctt cnaaaccnan tttntaaaca ccccn 935

<210> 5083
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 5083
ggnnttnaan ntcagctctt gttctttntg caggatccct cgattcgaat tcggcacgag 60
gcaagacagc cacatttgct atttccatcc tgcaacagtt ggagattgag ttcaaggaga 120
cccaagcact agtattggcc cccaccagag aactggctca acagatccaa aaggtaattc 180
tggcacttgg agactatatg ggagccactt gtcatgcctg cattggtgga acaaatgttc 240
gaaatgaaat gcaaaaactg caggctgaag caccacatat tgttgttggt acacccggga 300
gagtgtttga tatgttaaac agaagatacc tttctccaaa atggatcaaa atgtttgttt 360
tggatgaagc agatgaaatg ttgagccgtg gttttaagga tcaaatctat gagattttcc 420
aaaaactaaa cacaagtatt caggttgtgt tgctttctgc cacaatgcca actgatgtgt 480
tggaagtgac caaaaaattc atgagagatc caattcgaat ttcttggtga aaaaggaaga 540
attgaccctt gaaaggaatc aaacagtttt atattaatgt tgagagagaa ggaatggaag 600
ttgggataca cttttgtgac ttgtacgaga cacttgacca ttacacaggc tggnattttt 660
ctcaatacna ngccncaagg gtggacctgg cttgactgag aagatgcacg ccnngagact 720
ttacaggttc ttgcttntgg cttcgcggga at 752

<210> 5084
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 5084
gnngnnnnnn nnnnnnnnng nnnnnnnnnn gnnngttttt taganacagc tcttgttctt 60
tttgcaggat cccatcgatt cgcnctacnc aagngntnag ccnactncnc ntcaannnna 120
nactgggcan ggatnagact catannaaca ttgtgctgca ttgagcaccn cagattcagg 180
gagccatcac cactacatgg canattgtga tctataaatt gctggggcat natcacatgg 240
ntccattntc nnaatggnca aggatgcttg cacctatcga ncngggctat gttnagtatn 300
cctggtcatt ggctaaactc atagctnanc gtaancggan tataaccatt gacctatgct 360
ngtggacatt tgacaccatc agtgtactta tnngantgat cactgatgcc tcatgacacn 420
gacctttatc aaaggacatg atggccaggn cctcttgang cntaccgtgc tatcccngaa 480
tgttgctnct nctntngggg aattttcaac ctgaggntnt gaaataatgg ncaaactcac 540
cancatggct tganggcnta cacactggnt gtnaaacaac taattgactg ngatacagaa 600

ggntncnntg ncnacttctg naggatagat ctnagaattn ttnagctgta ggctacntna 660
gaaatcggta caccctccat cganaggcca tgatgtcnat ngtacacaac tnaccatnnc 720
ttcatgta 728

<210> 5085
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(870)
<223> n = A,T,C or G

<400> 5085
gagaagngna ntnncggana gnnnnagtnn gccagttcca aaccnggaaa cgccntcgcn 60
aagnnggngg gnnggnacnn gnaaggcgca nccggnncac cnanccgngg ncccnaggac 120
caggnccgca cccnncangc gncnantgga ccccaaggag ctcnanngcn gcnnacancn 180
annaccgggn ncacannggt agcaagaaga ggggancgnc aagcagnnga aagcagcngg 240
cgaacancaa nccgangnan nannanacag gaacacccga naaggaagcg gacctatanc 300
cnangcccac aaganaaaga caccangnnc catgcttacc anagggaggc aagcnnaatn 360
gacanccnac ngcanngaac ctgnacacgc ggatggacac ccngcgcgng nngngaatag 420
acggacggac agncaactan gcccaaaang canngccaan ggnngnnccg ccaacngggn 480
acagtgaaca agngcnattg nggnngngcn ggannacacc ancatcnnaa nggcannagn 540
aagcaccgnc nagnncngga cannanagcc ctgcnangng ancnccnaac cangaacana 600
nnanggnacn angaannnan caaccnnnnn ggggaanaaa acccanccac gangaacaan 660
ngnacccngg accgtnggcc cananaaaac gngncncnaa ggncacgant cncanancgn 720
gggcccnnna cnaagcncnc catcnanang ngnnaagctc cgnggcgagc ananggana 780
cnacacccac gnnnngacac ggaaaaccac cgncagaaac cnnacgngan cncccanang 840
nggncancna ancaanagng cccncncccc 870

<210> 5086
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(870)
<223> n = A,T,C or G

<400> 5086
gagaagngna ntnncggana gnnnnagtnn gccagttcca aaccnggaaa cgccntcgcn 60
aagnnggngg gnnggnacnn gnaaggcgca nccggnncac cnanccgngg ncccnaggac 120
caggnccgca cccnncangc gncnantgga ccccaaggag ctcnanngcn gcnnacancn 180
annaccgggn ncacannggt agcaagaaga ggggancgnc aagcagnnga aagcagcngg 240
cgaacancaa nccgangnan nannanacag gaacacccga naaggaagcg gacctatanc 300
cnangcccac aaganaaaga caccangnnc catgcttacc anagggaggc aagcnnaatn 360
gacanccnac ngcanngaac ctgnacacgc ggatggacac ccngcgcgng nngngaatag 420
acggacggac agncaactan gcccaaaang canngccaan ggnngnnccg ccaacngggn 480
acagtgaaca agngcnattg nggnngngcn ggannacacc ancatcnnaa nggcannagn 540
aagcaccgnc nagnncngga cannanagcc ctgcnangng ancnccnaac cangaacana 600
nnanggnacn angaannnan caaccnnnnn ggggaanaaa acccanccac gangaacaan 660
ngnacccngg accgtnggcc cananaaaac gngncncnaa ggncacgant cncanancgn 720
gggcccnnna cnaagcncnc catcnanang ngnnaagctc cgnggcgagc ananggana 780
cnacacccac gnnnngacac ggaaaaccac cgncagaaac cnnacgngan cncccanang 840

nggncancna ancaanagng cccncncccc 870

<210> 5087
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 5087
agagnnntnn ntntttgaat cctaatggct ggctacttgt tctttntnca ggatcccatg 60
cgattcgaat tcggcacgca ggggcgnccc atcttgtggn tcantnncta tgcctnctcc 120
cntgaccacc cgacagacgt ggactacang gtcatgntca cngntancga attctacacc 180
angctgatng gctttgacaa nntccnnctn tancagttgt ncaaatccac tatnncngcn 240
aactcgaggg tcangccnaa cngtaacnat ggccagtgag ggnacctacg caactgnact 300
ccganngttg tatggagaaa ctggtagacn tcaaagactg cctntccgct tngtggtncc 360
ngcnacagag gangangtcc tacgtgnntg agggtncnnc cnttggggtt atnnnancgn 420
antaggnnta ncnctggacn ganctggagg cgcatgacan cacatgatgc tttntgaggg 480
cctgaagatn atcntgancn acangtgtcc ngtgangccc tgtgantnca ttatcatgta 540
gatttaggtn gangaatgnc ctgggacana tgtttgtaca tagnggccac ctatganttn 600
acagantatc tcataactna tcagattgct tnacngtctg ggnancnaac tcactcattg 660
gnaannтctt gcatgctatn cccaatgggt ggatngcctt nancttaaan ataangntgn 720
ttttttatcaa nngggcanan aaaccgtnnt annngggtn 759

<210> 5088
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 5088
gaattgctct gtgtttttgc aggatccatc gattcggnag tgngnagagg cnccacacnt 60
ntgngataaa tgcactnnan nnctncngcc ttgaanttcn nnaggggtca nnnctnctac 120
tcacnggnag gngngccnna agananctgt gggtnctgnt ggatnaannn gtnattgacn 180
gccctggnct ggntcaaaac ncnnccctag tcntcangct ncagggtnag gnacanacng 240
aatntacntc tcctntgnga ggnatcntac tattncgtna tggnnancnt aatgctccac 300
annaangtgc ngtngactca cgctgctacg actctcgaga cnnttcntag aagatcattg 360
tcntctntac cncnntngga acttnaacta tgtattgana naaccttgag gatgctatgt 420
ggccacagat tccntattca atggaaaacg nccnnctaca ttatgcangg gnnnctttct 480
gaatcgtgtn gcacntcntt catggggctc naatnngccg cttnaancnc aaatattggg 540
cgcttgcacn gctttgacan tgtgtaannt ctnngtntgc nangctatac ttggacccat 600
ttgccctgta tgngcccttn gcaatggntt cntttcnaag tataactacn ancttncaaa 660
tggncaaggt cctgatnnnt nccattttgc naacgtgctc atttnaanac tgactgnaan 720
cgtttttgac aaaanaat 738

<210> 5089
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(856)
<223> n = A,T,C or G

<400> 5089
gngnagnnnn nnnnnnngnn nngnnnnnnn nnngnnngtt tntnatanca ngctcttgtt 60
ctttttgcag ggatcccatc gattcgaant canctcganc atggannncc tcncctcagc 120
antcnnatgn gcnncctngg cnagntcacn nttgctgctt nagnnnttnc tgtcnntncn 180
aattntgnaa ngncttnaat gtgnnannaa tcaggaaaat gctncntnca annctttagn 240
nttnnaaccn tccatattct taacatntgn gacatnccat gggatgcnat taatattcaa 300
ggnttttatn cggtactnaa aaatanacac ttctaccngt caangttcng aaanancgat 360
catncgcntg aancatngna tgtnnatanc aacctntgaa nagntnctca tttncacctg 420
aaatcatggc actnatagca acctttntan aaggctataa aaanggactt gaatgtncna 480
attgcccaag aagagcgcta cccttcggga aggggaancc tgaatgttgc aaccactggg 540
gataataant acccttattg tcaagaaaat ggcattgggg ggcacattca tntgaatttn 600
ggacctggng actccttacc gaaattccca nccaggttcc acnaatggna atttgaagnc 660
ccgtttgnct nttcgnggac cagtggggaa aagcaattaa aaggccaaaa tccttccnaa 720
acctttntca agggttttna gnaaagtncc cacatggttt nnnaaaggct ttaaggactt 780
gcnnttggga aangggnaaa aaccntttaa attgtaaggc ccaanggatt ccggaatacc 840
gccngtacaa taaaaa 856

<210> 5090
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 5090
ggntttnnat cagctcttgt tctttttgca ggatcccatc gattngaatt cggcacgaga 60
gaaaatcagg gatgtattag gaaagtaaca gtctctcatc aagaagccct ggctcaggna 120
tatgaatatc agtactgtgg agaggcccta tggatgccat gaatgtggaa aaacttttgg 180
tcgacgcttt tccctggtgt tacaccagag gactcatact ggacagaaac catatgcatg 240
taaggaatgt ggcaaaacct ttagccagat tncaaacctt gtgaaacacc aaatgatnca 300
tactggaaag anaccccatg agtgtgacga ctgcattcag acnttcagtt nccttttcatg 360
gnttantgaa cnccnantaa cgcncactgn ggngaancct tangnatgta ctgagtgngg 420
aaaggccttt anccgagcct acaacctcac tnggcntcag anaanncaca tntgagggaa 480
acactatnta tgtanganat gnggnnnnnc ntttannact ggctnagaac tcnntngccn 540
cnanattaca catactgaag nnanaccttn nngatncatn gnatgtgnga aaggcattnt 600
gccgtttctt gcaccttact ccnangtcat ancntnccta caactcaaaa ccccntnttg 660
aatggtgcng aatntagaga aagnctttтc gnnggaatct cnttnccttnt nnaaannatt 720
c 721

<210> 5091
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 5091
gagnntttnn ccncnngaaa gcccttctga aatngcttgg gnaggtcgnn ctnncncnca 60
ngcagcnana ngcgntggcg aattcngcac gcaggcaana ctttttcctg gggcaggggn 120
gtcagcnatt attnaattgg attattncta agttngctan ntgggncann tgtgnngagn 180
agggagnntn cctgccacnt nttctgntnc ccnncttctg cccacacatg cagcatccaa 240
agtccattna ntnaatgaat ggacanagtg ccgagcanac nggggcnnaa ncangnncnc 300
agtcnacgca tccngnntcn taggnaaagt ggtgaccgnt cncggnggga cntgccnaan 360
ccctgnnaca cagncggnca cnntnnangg acnngcannc ctnggatgtg cctcaggaaa 420
aacagggcna gccttcnagn nccgnatacg agtnncnggc cttananncn anaacaangg 480
cnctnacttg cngcatgctt cactattctt tnaggcacat atatnttntc ttattagntc 540
ctcncatccc atgagggacn cagtggctna tgcctgggaa ancngncctt nngnangtca 600
aagngggagg attgctcnac ctaggaannc aagaccacgc tgggcgnnat antgngaacc 660
cancggtacg acttgaagaa aaatatccta ancncngcct tactaacttt agngngcnca 720
attacgtaag anccanacgg atcagtttca aatnagggnn 760

<210> 5092
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 5092
nnnnnnnntt nnnnnnnnnn tnnttttnan nnnnnntttt naataattgc tattgttctt 60
tttgcaggat cccatcgatt cgaattcggc acgagcccag ccccacccca gccccaaagg 120
aggctgttcg agagggacgt cctccggagc caaccccagc caaacggaag aggcgctcta 180
gcagttccag ttccagctcc tcctcttcat cttcctcctc ctcctcctcc tcctcttctt 240
cctcctcctc ttcctcttct tcttcttcct cctcatcttc ctcctcctcg tcgtcttcct 300
ccccttcccc tgctaagcct ggccctcagg ccttgcccaa acctgcaagc cccaagaagc 360
caccccctgg cgagcggagg tcccgcagcc cccggaagcc aatagactcc ctcagggact 420
ctcggtccct cagctactcg cctgtggagc gtcgccgtcc ctcgccccag ccctcaccac 480
gggaccagca gagcagcagc agtgagcggg gttcccggag aggccagcgt ggggacagcc 540
gttccccagc cacaagcgca ggagggagac acctagccct cggccatgag acaccgntcc 600
tccaggtctt cataaattgt ctttgggggа ttccaccaca cccaatgctc tggagccaca 660
aggagtgtnc cttnttccca cagaccgtgg ganggtcctt gctgctttct ttgaacttgg 720
cagccttgga tgganggctc ctttncctcc ctttttttt ttttgt 766

<210> 5093
<211> 851
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(851)
<223> n = A,T,C or G

<400> 5093
gagaagannn nnnnnnagaa agnnnnnnnn naggnaggtt ctaaatnctt ggctatcgan 60
ctctnagcag gagcccatcg attcgaattc ggcacgaggc gggcgctagg cgcgcgcacc 120
cagcactngg tcccagncga nanatctggg gcagcgcgcg gtggaagctg cgngcngann 180
ggancanttc tggctcacga ccttgacgct agcgcgnnta tcangnggaa accncgnnnc 240
cacnnnaaca aaaagntggc tggatgtggt gncncncata cctggaatcc cagcnnctnt 300

agcggcnnaa gcatcagaat cacntgaacc canaacacag gncgcnctga nccaagattg 360
tgcccctgca ttctagcctg ggtgacagtg anacnggctc aaaaagataa aggtgtacag 420
ggantgtata ttcagacaac ntggtatgga agatgtgcta cnnctantgn nccangctga 480
tactaagtna acactcnnta cnatanagan ggagatntgg gacncatagg actgnggnca 540
tnttaattan ttcangantg ttttccacna gcnnttaact ggatttcaca ttanagaaac 600
ntttncaagg accctnnaac gggtaaattn ccaacggann nctccaaatg taccaatttt 660
antgccccga atngggaaaa ttncnacang nccctttnnc anggtatgna canagnactt 720
ttaantnacc cnccantcaa cctnnnacca nttnntttan tccangncan nctaccagtt 780
gtncnaccac aaagntttnn aagncccatt nnnnttngtn aatnnnnggg nnaaacccnn 840
nnacaaattc n 851

<210> 5094
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

<400> 5094
ctcttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagattg gattgccaca 60
cggctcacat tgcatgcaag tttgctgagc tgaaggaaaa gattgatcgc cgttctggta 120
aaaggctgga agatggccct aaattcttga agtctggtga tgctgccatt gttgatatgg 180
ttcctggcaa gcccatgtgt gttgagagct tctcagacta tccacctttg ggtcgctttg 240
ctgttcgtga tatgagacag acagttgcgg tgggtgtcat caaagcagtg gacaagaagg 300
ctgctggagc tggcaaggtc accaagtctg cccagaaagc tcagaaggct aaatgaatat 360
tatccctaat acctgccacc ccactcttaa tcagtggtgg aagaacggtc tcagaactgt 420
ttgtttcaat tggccattta agtttagtag taaaagactg gttaatgata acaatgcatc 480
gtaaaacctt cagaaggaaa ggagaatgtt ttgtggacca ctttggtttt ctttttgcg 540
tgtggcagtt ttaaagttat tagtttttaa aatcagtctt tttaatggaa acaacttgac 600
caaaaatttg tcacagaatt ttgagaccca ttaaaaaagt taaatgagaa aaaaaannnn 660
nnnnnnnnaa aaaaaactca gcctntaaaa ctntnnngag gcnttttcct anatcccacn 720
tgataaganc t 731

<210> 5095
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 5095
gnntttnnnn nnnnnnnttt taagnaattt gcnactcgtt ctttttgcag ggatcccatc 60
gattcgaatt cggcacgagg attacatagt gacatatatt agcttttcgt ccacatttga 120
taacattgct aatatttttct ttttttttta ctgaactctt tgaatttaaa gttttctctc 180
atttaaattt attaattaaa aacatacctt tactctgttc cctttagcat ttcaacctga 240
tgttaaaaga tgtgtatgtg tgatatgtgt gtttgaaatt ttaactttca tcttggagta 300
tttaattctc tgaagcagtg catgactctt gctcttcagc ctcttgagag tgtccctggt 360
ttatattcct gatgatacaa accctggaat ttcttgtctg aagtgtnaac actttatttc 420
caggtcctaa tttgatttga atagtggaag ttcagattca atgcattaat gacagattct 480
atgttgcttc ttcagatttg ccagacagaa aaacctactt atgtgaggaa atcattaggc 540

```
tttttgacta tcctctttgt ataatgagac tcttttctca ttagatgagt aaaaagatcc   600
agagatgatc accagtatcc cccagaattc atatatattt aattgaaaag aaacaaatnc   660
tgggattctt tnctaaaaan ggtggattac atttcttgnc tgnntgnaca tctttgnnta   720
acgngaagaa aaataaaaat attnattttc caccc                              755
```

<210> 5096
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = A,T,C or G

<400> 5096

```
gnnnnnnnnc tttnaaatcg cttggcnttt tgcaggatcc ctcgattcga attcggcacg    60
agagcggnnt ttntnntgnn tgccnctcat ttgtngnann nantngactt natatntnng   120
atgatnnann nangtangnt atgagnnatn cacatnnnat tnangntgna nnatattcna   180
aggnannann tncncagacn ntggntggnn acntntcana tngtttagac tnngncaaag   240
gnnangtnac aacggatnng accncaccta nactgagann acctggancc tcagnatcna   300
tcnggnaatc gctcacnnag tatacttnca ncagnanntn taaccttaga tactcgatct   360
taaacttgnn tatccantnt aaaaacngtc ntttcngacg gntgtntnnc atcaancagn   420
nnatctnnaa atctgnncan aggancgntt ttaaactcat nnctggaatc ctcagatnna   480
ggacccatnc angnaggnnt gancntgnnt gccctgtnag cacgnanttc canntgngtn   540
aactctcaca atgngtttna agaacncnaa aggctggccc ntgntcntat gagtgattct   600
ccctncttat ctngggngnc ncnattnaat ctttggaaac cnaannttcn ntaatggttn   660
cccactggtt nggaaccaat tngaactgca ccttccngtn cctttantng nggcaaacca   720
aancatncnt tancattcca tttgaccctn ntttttttacn ttaanacnan ccttgac     777
```

<210> 5097
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 5097

```
aggnntnnnt ttgnnnctaa tggctggcta cttgttcttt ttgcaggacc catcgattcg    60
antgangctc nagcaggccn catgagatcn cctgctnggn ncnttgnnnt ctnatggcca   120
ctgntatcnn agccntgnnc tgaaggtgca ngctcacgcg ncggaggtcc nttgagaccc   180
agnctgcttc natancagtc cggtcnctca nanctcccac tggtanacnn ncatgtagnc   240
actgntgcag ctgactgcng nancnncntn tgtggncaca ntaagattcg ccgngccttg   300
cntgannann tactnntnat atcnatgant gctgnctgan nagaactngc nnntcnatgn   360
ggactgtctt cagnacccta tatggcntcc ntggntctgt tnccgnngac natttngcga   420
cngtnaatgt gccncattgt gctctnatgc cattcnatac tagattccac agaaggagac   480
cntgcgatnt gcttaaatan tgctgntgaa nagctnntac cgaatcnnna nagttcataa   540
aacgcctcct naggcagant ctgtnatcnt cngtagcatc ccnaatanga tcgatatgct   600
aacntacaac tgatgncctg ngantaatca anntcttnat ttantatcaa tgaaatgctg   660
ctcctggaac ttaacctgga atggtgcagc tncaagcttn gtcgncgctt cncancttgg   720
tncccgattt ccnggccact tannccnttt gaaanttccc t                       761
```

<210> 5098

<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 5098
aggnntnnnt ttgnnnctaa tggctggcta cttgttcttt ttgcaggacc catcgattcg 60
antgangctc nagcaggccn catgagatcn cctgctnggn ncnttgnnnt ctnatggcca 120
ctgntatcnn agccntgnnc tgaaggtgca ngctcacgcg ncggaggtcc nttgagaccc 180
agnctgcttc natancagtc cggtcnctca nanctcccac tggtanacnn ncatgtagnc 240
actgntgcag ctgactgcng nancnncntn tgtggncaca ntaagattcg ccgngccttg 300
cntgannann tactnntnat atcnatgant gctgnctgan nagaactngc nnntcnatgn 360
ggactgtctt cagnacccta tatggcntcc ntggntctgt tnccgnngac natttngcga 420
cngtnaatgt gccncattgt gctctnatgc cattcnatac tagattccac agaaggagac 480
cntgcgatnt gcttaaatan tgctgntgaa nagctnntac cgaatcnnna nagttcataa 540
aacgcctcct naggcagant ctgtnatcnt cngtagcatc ccnaatanga tcgatatgct 600
aacntacaac tgatgncctg ngantaatca anntcttnat ttantatcaa tgaaatgctg 660
ctcctggaac ttaacctgga atggtgcagc tncaagcttn gtcgncgctt cncancttgg 720
tncccgattt ccnggccact tannccnttt gaaanttccc t 761

<210> 5099
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 5099
gngntgnnnn nttnnnngnn agnnnnnnnn ngnnngcttt ttagatcagc tcttgttctt 60
tttgcaggat cccatcgatt cgaattcggc acgaggaaat gacaagatcc cacaaaagtg 120
ctgcagatga ttacaataga attggttctt cattatatgc tttaggaact caggattcta 180
cagatatatg caagtttttt ctcaaagttt cagaactgtt cgataaaaca agaaaaatag 240
aagcacgagt gtctgctgat gaagacctca aactttctga tcttttaaaa tattacttaa 300
gagaatctca agctgctaag gatctcctgt atcgaaggtc tanggtcact agtggattat 360
gaaaatgcta ataagcactg gataaagcan gagcanaaaa tcaagatgtt ctacaggccg 420
aacttcccaa caattatgtt gtcagaaatt tgaaaaaata tctgagtctg caaaacaaga 480
acttatagat tttaagacaa gaagagttgc tgcattcaga aaaaattagt ggaactggca 540
gagttagaac tgaagcatgc aaagggtaat ctacagttgc tgcagaactg cctggcagtg 600
ttaaatggag acacattaag ccacacttcc gnctttctgg ttaaaaangg ctggcctttc 660
cttcaaattt tatttttggn tttcttaaat ggatggttaa gccttttatg cctcactggg 720
aaaccaaacc aaaaagccac ttggaaaaag gtgccntnaa cttcctcttt tttctggaag 780
a 781

<210> 5100
<211> 797
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(797)
<223> n = A,T,C or G

<400> 5100
ttacnatnan tgtgcttgan ggcttggncc naaananatt ggctntggcg aattcggcac 60
gaggtgagaa ggttaggtcc ggctcagact gaataagaag agataaaatt tgccttaaaa 120
cttacctggc agtggctttg ctgcacggtc tgaaaccacc tgttcccacc ctcttgaccg 180
aaatttcctt gtgacacaga gaagggcaaa ggtctgagcc cagagttgac ggagggagta 240
tttcagggtt cacttcaggg gctcccaaag cgacaagatc gttagggaga gaggcccagg 300
gtggggactg ggaatttaag gagagctggg aacggatccc ttaggttcag gaagcttctg 360
tgcaagctgc gaggatggct tgggccgaag ggttgctctg cccgccgcgc tagctgtgag 420
ctgagcaaag ccctgggctc acagcacccc aaaagcctgt ggcttcagtc ctgcgtctgc 480
accacacatt caaaaggatc gttttgtttt gtttttaaag aaaggtgaga ttggcttggt 540
tcttcatgag cacatttgat atagctcttt ttctgttttt ccttgctcat ttcgttttgg 600
ggaagaaatc tgtactgtat tgggattgta nagaacatct ctgcactcaa gacagtttac 660
anaaatnaat gttttttttg ctttttcaaa aacaaaaann tcntaaaaaa cctcgagccc 720
ttttanaacn tattantgag tccgtattta ccttanaatc cagaccctga ttangatcca 780
tttgntnaag nnttgct 797

<210> 5101
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 5101
gnnnttnaan ngctggctct tgttcttttt gcaggatccc atcgattcgc gaaggggaag 60
aacagatcct ctgaaatttc aaatngaaag aaaagatatg ttagaaagga gaaaagtact 120
ccacattcca gagttctatg ttggaagtat tcttcgtgtt actacagctg acccatatgc 180
cagtggaaaa atcagccagt ttctggggat ttgcattcag agatcaggaa gaggacttgg 240
agctactttc atccttagga atgttatcga aggacaaggt gtcgagattt gctttgaact 300
ttataatcct cgggtccagg agattcaggt ggtcaaatta gagaaacggc tggatgatag 360
cttgctatac ttacgagatg cccttcctga atatagcact tttgatgtga atatgaagcc 420
agtagtacaa gagcctaacc aaaaagttcc tgttaatgag ctgaaagtaa aaatgaagcc 480
taagccctgg tctaaacgct gggaacgtcc aaattttaat attaaaggaa tcagatttga 540
tctttgntta actgaacagc aaatgaaaga agctcagaag tggaatcagc catggcttga 600
atttgatatg atgagggaat atgatcttca aaaattgaag ctgcaatatg gaaggaaatt 660
gaaaccgtca aaaangtctt gattcttgag aatgaatttg ggtagttgca gaagatccat 720
tggctcttaa gangatatat tttgagancc at 752

<210> 5102
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 5102

agagnnnnnn ttttatctct aatgctggct acttgttctt tttgcangat cccatcgatt 60
cgaattcggc acgaggttgc ctgcggcgtc cacttccttg gccgcccttg ctacactggc 120
tgattgttgt gcagccggcg ccatgtctgt gagcgagatc ttcgtggagc tgcagggctt 180
tttggctgcc gagcaggaca tccgagagga aatcagaaaa gttgtacaga gtttagaaca 240
aacagctcga gagattttaa ctctactgca aggggtccat cagggtgctg ggtttcagga 300
cattccaaag aggtgtttga aagctcgaga acattttggt acagtaaaaa cacatctaac 360
atctttgaag accaaatttc ctgctgaaca gtattacaga tttcatgagc actggaggtt 420
tgtgttgcag cgcttggtct tcttggcagc atttgttgtg tatttggaaa cagaaacact 480
agtgactcga gaagcagtta cagaaattct tggcattgac cagatcggga gaaaggattt 540
catctggatg tagaagatta tctctcagga gttctaattc ttgccagtga actgtcgagg 600
ctgtctgtca acagcgtgac tgctggagac tactcccgac ccttcacatc tncaccttca 660
tcaatgagct ggattccngg tttcgccttc tcaactgnaa aatgactccc tgaggaaccg 720
ctacgacnga ttgaaattga cn 742

<210> 5103
<211> 1245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1245)
<223> n = A,T,C or G

<400> 5103
gcntncctttt gcatacctaa nagctggtng ttctttttgc aggatcccat cgattcgctc 60
tgtgattcag agcccttagt tgagagcccc tgccgccccc gccacccccc tgccccgctc 120
ccaccattgc ccctcctcag ctgtgcaagg agaaagcatg cttaggaagt tttcaggtcc 180
ttgtgataaa acctccttaa atctgttcag accaagcaat gcgagcttcc tctcctgtcc 240
catgttggaa gttgctctga aggggtggta gatgctggaa gccagacaca accctgcgta 300
cgctgctcag ttggtggaga ctggggctgg gactggagtc agcccagctg ggaggagggg 360
ctggggagga tctgnannng cangcccnan nnatcntntg cntntccctc nctccnctct 420
tnntttattc antccttnnc cctctnncat ttnnatnnnt nnactccctt nnactcnttc 480
nnccantctn tatctccnca tnntccttct ctcctannta nnntcacnct cnanctctct 540
tntacttncn atcacnntca ccttctcntc tctannctc atcncactcn tntnnnccna 600
tccnctcncc ccttnaccnn ntnacttana cctcccnatc tctnnatntt canctntnta 660
tctacactct ctntccntct catctacann tnnatatcnc nnccatnana cactcctntc 720
tctcacnctc ncncannttc actcttactn ntactnntnn nctnanacta cncacacttn 780
tctattnctc tnctnnactc tnctatncta ctctcctnct cttatcntcc tctcncnnca 840
ttnctacttc tcatctccac tntcncanct ncctcntctt cntctntanc ctctccncnt 900
ancattcttc tttcattnnn acnccntcat cnnttanccn ctatctnttc tnctntccnc 960
tctnnccncc cncactctcn ccatcnccnn ncnctntcna cannntctct cctcccntac 1020
ctccacnnnc tctcccncct ctcatatact cttctcanat atctcttnnn atncntcacc 1080
tcncacnana cntcaatncn ncttacctta nnccntnnan ccatnctnac cctctctact 1140
cttnnacnta ttctcncatt ctnccttcac ttatctntat tntctctntn tcnccntant 1200
ctcncncttt ctcatctccc tnnctcacat cactctacnt nctct 1245

<210> 5104
<211> 1701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1701)
<223> n = A,T,C or G

<400> 5104
cnggnnacct tctaattgtt cttcntggcg gncttnaaaa attgngcttg tngggccncc 60
tttaaacnnc ntgaaattat ggcggncttt ggggggggatg anattatgnn gtnctnttgg 120
ggggctnann ttnatggtct cccntnnnnn actcnatgnt ctntcctaan atntcnnntg 180
ntnctccttt cgcngcntta tctnntgtca ntntcntnnt cncctcttnn ctcatccant 240
ntnttacatc tcctctgncg angcnctcan nnannncncg cnncnnnaca tatacctntc 300
tttcnncctc atnnacntat acnnntctcn ctcnccatan acctctttnn anctactcnt 360
nttatccnct ctcctactct ctccgtcncn ngttcncann tatcatatac ccncctgcta 420
tcgtccctct tcanncttct gcnaccctct ctnacctntc tccctnccnt ngcctanttc 480
atcatnctat cccntctnnc atcccatcna canttctacc actcccanca cccccttcct 540
antctccntc ctntcnaatc tnnnnnnttn atatctnant cncntctccn cctatcntct 600
ttctcctntc nctntnccac cnccccnctn atntcncntt cnncctnnnt cngtntccna 660
ccccccttnat ccctacacac ctctnncnnn acntctcgnn tttcctctnt cntctntaac 720
atccactnca nctatctttn atctannctc tanctcancc ncctnnccat actatccata 780
nccanantnn ttcaannтct ccnaccnctc ctcnncactc tnttatctct ctnngnnctc 840
tncncntctc tntcactcta nattcttata ctntttcnta ctacctntcc nctctatnac 900
tnnnctactc acnnntnctn atctctctct cctcntanac tcnctcactc cttatanatc 960
ttcnatncta tcacactann ctncncctnt cntactnata tcttnntntt ntctctcaca 1020
ctntacatca ctncgcantc atcnntctcc tcantacnnc cnncncctct ctacatatat 1080
attccntctc tctcctcntn cntctctntc tcctctntct ntcatnanac ancactnact 1140
ctncatctnt ctctctatnn ntntccntca ctcacattct ntncacnncc anttnccnct 1200
cnccgtatct ctanntctcn acntctctct actnctntnt ctcncatccc actctatnat 1260
acntcncncc tatttnccnt actctctcta catacnnctc tctncttctc cactctctct 1320
ctctctctcn aanttncncc tctnctnttn ntcatntctc cnctcaacct ntatcnctcn 1380
anatcnncta nnctagtctc tctntannca ttctcntatc cnnnntcnat ntcacacanc 1440
nnataactnt ctncatcact cctcactctc tntatnctct ctctcntnta tactctctct 1500
acntntcnnt ntcatccana cacattnttc atnctatatn ntccncncnc tctcctctct 1560
cttntcatac atctacncac ctatcctntc cactctctcn tctcatnctc ncncatctnt 1620
ctacnnatcn ctctctnnta ncnatnctnn ctctncacat atctcactct cactcatctn 1680
tctnnctcnc nccntctccc t 1701

<210> 5105
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 5105
agagnnnnnn nnttnttctt tgcttantgg cttgggctcc tngttctttn tccaggnagc 60
ccatgcgatt cgaattcggn acgaggtgtn aaagngaact tttaagggag gttcctgctg 120
tnccagaaac ccttcaagaa aaagcgaagg nntttctcag agctgaagat caagcgcctg 180
agaaanaagt ttgcccaaaa gatgcttcta naggctagga ggaagcttat ctatgaaaaa 240
gcanancnct atcacaaggc atatnggcng atntacagaa ctgnaattcg aatggcgagg 300
atggcaanaa aagctggcag ctcntatgna cctgcanaac cnaanttggc gtttgtcatc 360
agaatcagag gtatcaatgc gagtgagccc aaaggttcga anggtgttgc agcttcttcg 420
ccttngtnaa atcttcaatg gaacctttgn nnngctcaac atggcttnta ttaacatgct 480
gangattgta gagccatata ttgcatnggg gtaccccaat ctgaantcag tncntgaact 540
aatctcaaac gtggnnatgg caaattcaat annaagccga attgcttnnn cagataacgc 600
tttgatngct cnatctcttg gtcaatacgg catcatntgc atggangatn tggttcatga 660
aaactatact ggtgnnaaac gcttcaaaga ngccaattac ttcctgtggn ccctcaaatt 720
gnnttntcca cnantgggaa tgaagaaaan gacccc 756

<210> 5106
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 5106
agagnnnnnn tttttgtctc taatggctgg ctacttgttc tttntgcagg atcccatgcg 60
attcgaatgc ngcncgaggc nttagttgct nnttgaaaag ggaactgcac ntgatcnnat 120
catggaanga tagctncact ncttnccgac cttggtcaca ggccgncatg agganggact 180
gttccantgc tncngnggcc nctgncntgn tnctcatcac tggncttagc tttggagtac 240
ncaactccaa gtggcccgag tctagactct atcaaatncc acactgatag caacaatgan 300
tgcatctgat gtgtgctgct ggcnatctta agcccaaaat gcttcaaaga tnaaacagnc 360
atatacattn aagatacata tanaaatngt nnaattngaa tgtatacaan ntagattacc 420
ctaacgaact tcactacaag aaatncatct tatatccnng cacnnaaatg tgganntnta 480
catgaaagga tataccgttt nanaaaccac atnccatntc taaatgctga ntgagaaggc 540
ntggactact aaacctggat tactgatnaa atttcaaaan gancttgatt ttgctagcag 600
aaatcnttac ccngttctcn agcttctata ancagttctt gaagggatta nacagctggt 660
cctctntcca aattctggat taatttcagc tgtgtatttc cnannnaatc tttcagcctc 720
tagaactata tgagtcggnt tacgtann 748

<210> 5107
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

<400> 5107
gttttctcct gttacatcat gctgaatcct ttcccttagc cattagcttt tattatgtgg 60
tcttcatagg aaagccaccc tggtgccaag cctagcttgt ggggaggggt atgtgttcca 120
gaaactgctc tttgtgttcc cttcaatgag gaaacaacat gtgtctactt atgtggcatc 180
caactgcttg gagctccaca cttccctttc gcgactcagg ctctggtgct gttgccaaat 240
ccttgcttgg caaagactgt tcgatcatgt ggggtcctta tttacaaggg aaagctgggc 300
cagaaggcta gcaattcagg tgttaccgct attgctgtac cttgtgttag gacattgtgt 360
ttgtgcatgg actgtgcctc caaactcagt agttccgtat ctaaatataa agtantgtta 420
gaaacctgaa agtacagaat ctcaacctta cnagtctttc ccttagtcct gtggccttcc 480
taagccagct gttaaccgtg ttgattcctt ccacttcccc caaagtaagg caggcaacag 540
atatgttgat tgtcttagaa agtaatctgg ttcctctgaa ctccattgaa ttccagtttg 600
acgcatactg cctggaacca gactgtttgc ttacagcttt ttaaagaaaa atctgncttg 660
gtcctgnccc cant 674

<210> 5108
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(589)
<223> n = A,T,C or G

<400> 5108
attgaggaag atctaggtaa aacctttaag ttaaccttct aagtctcaga cacgtaaacc 60
caagtgtggc aaaggaactc attgctctcg aaatgcatat atgttggttt atagactgca 120
aactcaagaa aagcccaaca ctactgttca agttccagcc tttcttcaag agctggtaka 180
tcgggataat tccaaatttg aggagtggtg tattgaaatg gctgagatgc gtacaaagat 240
gtggataaag gaaaagcaaa acacgaagag gttaaggagc tgtaccaaag gttacctgct 300
ggagctggtc tgtaagatat tctgggacag cactgttgcc attaagtgcc ttgttttttt 360
atgttcacaa atgtatatga agaaactttc tcaaacttac tctttctaat aacccactaa 420
agccagctta aacactctaa aagtactttg taaaccaaca ataacttgat gtgtagcatt 480
ccatattatt tccattacgt tgtactccta aaatggggag ctgttaatna attataacct 540
ttagggtcag cactctgcat ccctggagta ttgttggtnt ttatatttt 589

<210> 5109
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(660)
<223> n = A,T,C or G

<400> 5109
aagggaagga ggctgctggg tagcaaataa gccccttctt ttcttggtga gttgatgacc 60
tccaatagct cccagtgkca ygrgkaccca gtacgcatta gctggtgttg ggttgattga 120
gacctggggc agttcctggg gcaagaascc agatgggaga tgagatagaa agtgttagga 180
gttatcctct ttgcctggcc tttgagaata acttactgtg tgactttggg caagttcctt 240
ccccactctg ggcctcagtt tctcacttgg gaaagcaagg agtttgacca gatgatcaca 300
atgggccttc ctagctctgg ccaccaagaa tttgtgaaca ttagagctcc tggtctggtg 360
ggtagagcca gagctgctga ctggtctctc tgcctccaga ggggatttat tggacctcag 420
aggtggcagg gccctatgga gcaccaactg ccctcaaccc caccctgtgc ccaagactgg 480
gaagggattg atgtcaggct gtggccatag gtagcatgag ttgcccaagg agggacagag 540
catatctttg ctgaggcttg gctgaggggc ttatgatagg gcttgcagta cctcacagcc 600
ccctgtgggc acagncaccc tgaggtttac ccaggcaaat atattgatta gcaggaaaaa 660

<210> 5110
<211> 615
<212> DNA
<213> Homo sapiens

<400> 5110
ccatagcctg ttgagtgttc ccagatgtga ctcacctttc tgctgccctc ttcatgcagg 60
cctactgact cataakkcac gwkgtcccaa aagccacccc acaagcctga gccaacctgc 120
tgcctgacgc cacagtcatt ggcagaggtc tgggcattat taatytataa aaatccatgc 180
tttacacctg gacagtasac agggacttca gagattgcac gttkgaatac attctcccaa 240
gactgaggtt gttcggtttt aattcctgta gtccaatcac acaatttctt atggaaaacc 300
ttttgtgttt ctggtattta ataacttgaa gggatagcaa aatatactgt gtattcagag 360
ggcctctctg cagctgctag ctcagacacc aaaggggtaa ggcccaggac attcatatct 420
ttaaaagctg caaacctggt aacctttaaa cttttaaaac aaatgtcata tggggtaaca 480
ctgacctttt ataatttgat gtctcaaatg tagagattat ctaaaaatcg taacttgaat 540
accttgtaat ttttctctta aaaaagaaga cttgtgtaag tctctgcatc aacgccaata 600
aacatgttgc ttaat 615

<210> 5111
<211> 937
<212> DNA
<213> Homo sapiens

<400> 5111
gtggtggctc acgcctgtaa tcccaaagtg catggattac aggtgtgagt gagccaccgc 60
ggccggcctc tatcattttc tgactcagca gctccaccaa aattgacatc ctagcaaaca 120
ctgtgaagga attaacctaa gtsyttccag agcatctcat gtaacctcta tggagtaagt 180
cacttttct gtaacatgtg gcttttgacc ttgatgaaga ctttgacttc tcatccctgt 240
ctacatggag gaagatgatt cagtggtggg gaaaatgaac ctcggtaaca tttccaatgt 300
ccttcaagag ggaaacaagt tcagtgttat catcgtggca ttcgttagtt tttttttttt 360
aaatcacktg tttagataca actttatttt tttataccta catagcacat gactgggggg 420
ataaagcatg tataagttgg gagagggtaa agaatgtgtg actatgtata cagaaaatag 480
actaaaatgt gcagcaaaat gatatatact gtaatctggt ttttgaagta tctactattc 540
tggaatattg ttaaacaact ttttgctttt gaaaaaaaaa aggtgccttg attcagttgc 600
gtgacttaga acattcatcc tattttattg tgatttttaa tgtcttctga ccccaaactg 660
tgtttttggt tgcagtctgg cggctgcagg catagcgtcg gttttgttcc aataacagag 720
accaaagagt taatcagata tggttcagct gctacaattg tatgattcaa aggcaattta 780
atcaccccaa atttccatgg cccccacagt caagacctgc cattcgtttt ctcttgcagg 840
ttggagtaaa tttgcacttt gaatcatgtg ggtcatttgg ggaccttgtt cttttctatt 900
ttgctttatt aataaaggaa cttgtagaaa aaaaaaa 937

<210> 5112
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

<400> 5112
gagacctcta acctcccgca gttgagcaaa tacactctga gagacattag ggactgtggc 60
aaaaagcagg caatccatgt gtgtcactta agccttgagc acagttcagt aggcaacaaa 120
ccaggaactg tcctggcaga taagacagac tgtgmaaggt catcgtcaty ggcatgggaa 180
gggcattaat taccaaagtg gagacasagt cactgtctcc aagagcattt ggaatcactt 240
cacagagttc tcaaggaggg gaaggctatc tgtcagctcc tggcgggact gctgccccat 300
atactgtgat gaattgcttc acatatctga gttctgatgg gaaggagtcc aagtgcggta 360
gctgtagaga acgctgggga agcccagttc tatgtagctc acgtatgaaa ggaatattca 420
tgaagagnaa aacagaggca ttatttgaga ttaactgcct gagaaaccta gtctaatccc 480
aagtgtctag aaaatgttga ctacttgcca tgtgcccagt aaggtgcttg gagctttata 540
tgnatcctct catttaaccc tgtgacatag ttatgctggt anaccttgct gcgttcgtgt 600
acnttgaatg aagttgaagc ttaanggaag gttaaaacnc caacccnaac tga 653

<210> 5113
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(559)
<223> n = A,T,C or G

<400> 5113
ggaagaggat gactgggtat gctgtgccac ccttgagggc catgaatcca ctgtgtggag 60
cttgggcttt gacccgagtg gccagcgcct ggcgtcttgt agtgatgacc gtactgtgcg 120
tatckrgcgt cagtawctac caggcaatga acaaggggtg gcatgcagcg gctctgaccc 180
cagttggaaa tgtatctgta ctttgtccgg cttccactca aggaccattt atgacattgc 240
ttggtgtcag ctgacagggg ctctggccac agcttgtggg gatgacgcga tccgctgtkt 300
tcaggaggat cccaactcgg atccacagca gcccaccttc tccctganag cccacttgca 360
tcaggcccat tcccaggatg tcaactgtgt ggcctggaac cccaaggagc cagggctact 420
ggcctcctgc agtgatgatg gggaggtggc cttctggaag tatcagcggc ctgaaggctt 480
cttgaagctn acctcgactt ttggacagag taatggactc cccagaaaac gttcatataa 540
gaattttacc agnccccttg 559

<210> 5114
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 5114
gaagagcttc tgcaggggct gagcagaccc cagggcctct tagccaatcc ccgggcctgg 60
tgaagcaggc gaagcagatg gtcggaggcc agcaactacc tgcacttgcc gccaagagtg 120
ggcaatcttt taggtctctc gggaaggccc cagcctccct ccccactgaa gaaaagaagt 180
tggtaaccac agagcaaagt ccctgggccc tgggaaaagc ctcatcacgg gcagggctct 240
ggccmwtagt ggctggacag acactggcac agtcttgctg gtctgctggg agcacacaga 300
cattggcaca gacttgctgg tctcttggaa gagggcaaga ccccaaacca gagcaaaata 360
cacttccagc tcttaaccag gctccttcca gtcacaagtg tgcagaatca gaacagaagt 420
agtaccaatt caatgttcac atgaacaaac aagctgcccc caggggtacc attttgggga 480
gggggaatct ttttttttct tttccccttt aaaaaaaaac acntttgncc cgaacatttt 540
cccattttnt tttt 554

<210> 5115
<211> 477
<212> DNA
<213> Homo sapiens

<400> 5115
gctagactca agctgtctgg agagtgtgaa acaaaagtgt gtgaagagtt gtaactgtgt 60
gactgagctt gatggccaag ttgaaaatct tcatttggat ctgtgctgcc ttgctggtaa 120
ccaggaagac cttagtaagg actctctagg tcctaccaaa tcaagcaaaa ttgaaggagc 180
tggtaccagt atctcagagc ctccgtctcc tatcagtccg tatgcttcag aaagctgtgg 240
aacgctacct cttcctttga gaccttgtgg agaagggtct gaaatggtag gcaaagagaa 300
tagttcccca gagaataaaa actggttgtt gccatggcag ccaaacggaa ggctgagaat 360
ccatctccac gaagtccgtc atcccagaca cccaattcca ggagacagag cggaaagaca 420
ttgccaagcc cgctgcagtc tgcaaaggtc ttcacaaatc agaatcaact ggtaatt 477

<210> 5116
<211> 957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(957)
<223> n = A,T,C or G

<400> 5116
aatgtatttt ttcagtaagc acccagaggc ctccattcag gctgtttttt cagatgccca 60
aatgcatatt tgggcattag aaggtctgtc gcacttagta gcagcatcat ttacagagga 120
tagatttgga gttgtccaga cgacactacc agctatcctt aatactttgt tgacactgca 180
agaggcagtc gacaagtact ttaagcttcc tcatgcttcc agtaaaccac cccggatttc 240
aggaagcctt gtggacactt catataaaac attaagattt gcattcagag catcactgaa 300
aactgccatc tatcgaataa ctactacatt tggtgaacat ctgaatgctg tgcaagcatc 360
tgcagaacat cagaaaagac ttcaacagtt cttggagttc aaagaatagt taagtaatat 420
aaactgtgtt cattacactg ctgatacaac tacagatggg acagtaaatg ttcagcattc 480
ttggatcaga agaaaacgga ctaattagat gcttcctttg tcgtggtggt tgctttgaaa 540
actatacttt aatgggagaa atcatggaaa gaaattctca acagaataac tgaaaactgc 600
cttttctgta ccgattgctt tttgtgtgtg tggtataata aaatctttat tcaattttac 660
agaagcattg atggcagtcc gaaatgtctc tagctcatat aacttaatag taataactaa 720
aaaactttta gaatttactt ttgaaaggag ggaagccagt tctgaaatga gtataggttg 780
atttcatagt ccncctaatt aagagtttag ctcnttggta aactccaaat acataaactt 840
tttaagtgga gttccattta ctggaaggat taaaatgggt acagtgccag ccatattcnc 900
caaaaatatt gtctaccggc ntattttggt aanccgttag gttggggttt tggttcc 957

<210> 5117
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G

<400> 5117
ctttttaag caaagcagtt tctagttaat gtagcatctt ggactttggg gcgtcattct 60
taagcttgtt gtgcccggta accatggtcc tcttgctctg attaaccctt ccttcaatgg 120
gcttcttcac ccagacacca aggtatgaga tggccctgcc aagtgttcgg cctctcctgt 180
taaacaaaaa cattctaaaa gccattgttc ttgcttcatg gacaagaggc agccrgagag 240
agtgccaggg tgccctggtc tgagctggca tccccatgtc ttctgtgtcc gagggcagca 300
tggtttctcg tgcagtgctc agacacagcc tgccctagtc ctaccagctc acagcagcac 360
ctgctctcct tggcagctnt ggccatgaca accccagaga agcagcttca gggaccgagt 420
cagattctgt tttgtctaca tgcctctgcc gggtgccggt attgaggcac ccagggagct 480
gttactggcg tggaaatagg tgatgctgct acctctgctg ctgcactcac agcc 534

<210> 5118
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5118
caytygkcag gggmsagggg acagcaaggt gggaggttga agagctttga ggctcagcag 60
catgtttgtg gcattcggtg gacaccatgg ccttgggcgg ctggacaggt ttttgtgatg 120
tgarggacay gcatggggca catggtaagc ttggcaaggg ctccaggaac gctgacgaag 180
ggttttagga cccccacccc catgcctgta ccagggctgg cctccagagc gggtgaggac 240
agagcagctg tgggcttttc attctgaggt cttggccccc ctggccaccg caagggactc 300

<210> 5119
<211> 598

<212> DNA
<213> Homo sapiens

<400> 5119
tttcagcttt cgttaccagc aggagctgga ggaggaaatc aaggaattat atgagaactt 60
ctgcaagcac aatggtagca agaacgtctt cagcaccttc cgaacccctg cagtgctgtt 120
cacgggcatt gtagctttgt acatagcctc aggcctcact ggcttcatag gtcttgaggt 180
tgtagcccag ttgttcaact gtatggttgg actactgtta atagcactcc tcacctgggg 240
ctacatcagg tattctggtc aatatcgtga gctgggcgga gctattgatt ttggtgccgc 300
atatgtgttg gagcaggctt cttctcatat cggtaattcc actcaggcca ctgtgaggga 360
tgcagttgtt ggaagaccat ccatggataa aaaagctcaa tagcatctta acgtgaagat 420
caaacaagaa cacaacaagc ccctactgat ttctgggttt ctgccacggc cacaggttca 480
tatccagagg aatggcagat ctgagacgat ccaggaagag ctaaaacatg gccctgtaat 540
aaatgagcag acctctcctg tggtttcaaa ttattaaaca cacttccatt tctcttgg 598

<210> 5120
<211> 1416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1416)
<223> n = A,T,C or G

<400> 5120
agtgagtggt cttaccaaaa atccagtatc cttgccatcc ttgccaaatc ccactaaacc 60
aaacaggcgt tccttctgtg cccagtccta gtattcaaag gaaccctact gccagtgctg 120
caccattggg aacaacactt gctgtgcagg ctgttccaac agcacactct attgtacaag 180
ccacaaggac ttctttaccc acagwgggcc catcaggact ctatagtcca tcaactaatc 240
gaggtcctat acagatgaaa attccaattt ctgcatttag tacttcgtct gctgcagaac 300
agarcagmwa taccacccca agaattgaaa accagacaaa caaaacaata gatgcttctg 360
tcagtaagaa agcagctgat agcacatcac agtgtggaaa agccactggc agtgattcaa 420
gtggtgtcat tgatctcaca atggatgatg aagagagtgg agcttcacaa gaccccaaaa 480
aactaaatca cactcctgta tcaaccatga gttcttctca gcctgtgtca cgaccattgc 540
aacccataca accagcaccg cctcttcaac catctggggt gccaacaagt ggaccatctc 600
agaccaccat acacttacta cctacagctc caactaccgt gaatgtaaca catcgtccag 660
taactcaggt gaccacaaga ctccctgtac caagagctcc tgcaaaccac caggtggttt 720
atacaactct tcctgcacca ccangctcag gctcccttgc gaggaactgt tatgcaggct 780
cctgctgttc ggcaggtcaa tccccaaaat agtnttacag ttcgagtgcc tcaaacaacc 840
acatatgttg taaacaatgg actaaccctg ggatcaacag gacctcagct cacagtgcat 900
caccgaccac cacaagtgca tactgagccc ccacgccccg tgcacccagc acccttacca 960
gaagctccac aaccacagcg tctgccccca gaagctgsca gcacatctyt gcctcagaag 1020
ccaccccact tgaagttagc acgcgttcag agtcaaaatg gcatagtact gtcatggagt 1080
gtcctggagg tggatcgaag ctgtgccact gttgatagct accatctcta tgcttaccat 1140
gaggaaccca gtgccactgt gccctcacaa tggaaaaaga ttggggaagt caaggcactt 1200
cccttgccca tggcatngtt actctcaccc agtttgtatc tggtagcaaa tactactttg 1260
cagtacgagc caaggatatt tatggacgtt ttggtgcttt ctgtgatcct cagtcaacag 1320
atgtgatctc ttctacccag agcagttaaa cttgggagct ttaaaatttc ccctttaaaa 1380
tttcactttt gggcctggtt ttaatctgtg catgaa 1416

<210> 5121
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5121
gctgcatctg caatgaggat gccaccctac gctgcgctgg ctgcgatggg gacctcttct 60
gtgcccgctg cttccggtgg gtgcaggtgg aatgttctgt gcgagagctc aagggctgcc 120
tggatccctg acttgtatcc ctttgttcca cagagagggc catgatgcct ttgagcttaa 180
agagcaccag acatctgcct actctcctcc acgtgcaggc caagagcact gaagacaccc 240
tggtcctccc ggaagggcag tcccacaggc agcggcaccc atttctgggc cccgccacag 300

<210> 5122
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5122
gtccttgtcc agcctccaag acccacaagt cccttcctct gggaagcccc cctggcctgg 60
aggtgcacca ggaagaagtg gtctggggct ggcactaagc catggcccag ggaagactgg 120
gggacccact aggccaggat gagacctgca cgcagtggct cacagcagca cgatttgtga 180
cagcccgagg cggagaacac cgaacaccca gtgaaggtga ggggatcagc acggcgcggc 240
cacccacgca cccacgcgct ggaatgagac tcagccacaa ggaggtgcga agctctgacc 300

<210> 5123
<211> 634
<212> DNA
<213> Homo sapiens

<400> 5123
caagagagag tgatagaatt ggcagtgaaa tatacgaacc accctcctgc cctctgggtt 60
cacaatacgt gtacacttga ctgtgaagtg gctgtgagag tgggtggaga gttcttcttt 120
gaccctcagc ctgcggatgc ctctagaaac ctcgtgttga ttgcaggagg agtcggaatt 180
aaccctctgc tttccatcct gcggcacgca gcagcatctc ctcagagagc aggcaaacaa 240
aagaaatgga tatgagatag gaacaataaa actattctac agtgcaaaaa ataccagcga 300
actcctgttt aagaaaaata tccttgattt agtaaatgaa tttcctgaga agattgcatg 360
cagtttgcat gttacaaaac agactacaca aatcaatgcg gaactcaagc catacatcac 420
ggaaggaaga ataacggaga aggagataag agatcatatt tcaaaagaga ctttgttcta 480
tatttgtggc ccacctccaa tgacagactt tttctccaag caactggaaa acaaccatgt 540
acccaaagaa cacatttgct ttgagaagtg gtggtaggag gcagacaaag gcagaaaaaa 600
taaagaggtg agatctactc aggaaaaaaa aaaa 634

<210> 5124
<211> 672
<212> DNA
<213> Homo sapiens

<400> 5124
ggccaaagag gtgctacatg cattgaaaga aaaggttact tcactacctg acaaccataa 60
aaatgccctt gctgctaaca tagatgaaat tgtatttaca tcaacaggag acatctccat 120
ttactatgat gagaaaggaa ggaagtttgt taacatcctg atgtgctttt ggtatctaac 180
cagtgccamc atccccagtg aaactttaag aggagccrgt gtattccagg ttaagttggg 240
gaatcagaat gtggaaacta aacaacttct tagtgcaagc tatgagtttc agagggagtt 300
cacacaagga gtaaagcctg actggaccat tgcacggatt gaacactcaa aattattaga 360
ataatttttct tggaaaaatc agcttatgga ctttagcagt tgctgtgaaa aactaaggaa 420
gaaaaatttt ggggtcattt gatcttcact taatctaagt ctgtgaatta cttttatatt 480
attttgaaat actccttgca gtatattggc atgatacagt aaaagcattt tccacagatt 540
gttatcacct tctttaaaag aagtcaaaat ttaaaaaata caatagcacg ttgttggtgt 600
catattcaat aacatttcca atgctacata taattttata gacataataa agaaggtatt 660
gaaaaaacta aa 672

<210> 5125
<211> 738
<212> DNA
<213> Homo sapiens

<400> 5125
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tggcagtatc tcaccttcag cttatgtatt agagattttt aaagggatca agtcgagtga 120
gctggaagaa tctctacatt gtgctgcctt tctcttatgt cccagacatt cttaaactct 180
ttaacgaatt cattcagctg ggctctgatg ttgaacttat atgccggtgc ctcttcttcc 240
tccttaggat tcactttgga cagatcacta gcaatcaaat gcttgtgcca gtgatagaaa 300
aattaaggga aacaaytatt tcaaaagtca gccaagtccg ggatgttatc ggcttcaata 360
tggctggtct tgattatctc aagagggaat gcgaggcaaa aagtgaagtt atgtttttg 420
ctgatgctac tagccacttg gaagagaaga agaggaagag gaaaaagagg gagaagttga 480
ttctaacgtt gacttagaac tgaaatgtgg tatctttttt tttttcaaca tttttccttt 540
aaaggactcc taaactaagc acagaagagt tggcgtcatc ttaaaaatac caagtaacag 600
aagatcgcat tgcagatgat atcaggatgt ggtttccagc tttgcctgag ggaattccaa 660
catgagatta tgggctggct ccatttcttg gacttaaaat gcattattag tttaaaaatc 720
tttctgtgct ctcaaagc 738

<210> 5126
<211> 1203
<212> DNA
<213> Homo sapiens

<400> 5126
gcactgtttt agctcttgcc aaacctcctt cgccctgtgc gccaggtaca agcagtcagt 60
tctcggcagg ggccgaccgg gcaacttccc cccttgtgtc cctctaccct gctttggagt 120
gccgggccct cattcagcag atgtcccccc ctgcctttgg tctgaatgac tgggatgatg 180
atgagatcct agcttcggtg ctggcagtgt cccaacagga atacctagac agtatgaaga 240
aaaacaaagt gcacagagac ccgcccccag acaagagttg atggagaccc agggattgga 300
caccatctcc caaccccagg gactcgggca agggtgccga agatagacaa gaggcacaca 360
gagacagacc aactggcagc caggcagccc cagaggagag agacattcag acagaggaaa 420
gtctccctgc ccctcattcc ttccaagatg agaaaaactt gccgccaccc cccgacactg 480
atgccaggga ggtgggagga agaagtggga aatttccctt cccagtaccc ccaagaacgt 540
ctgagccttc aatgttgaat ttttttcttta ttaaaattac ttttatctta taaaatcaac 600
taatcaaaaa tgatatagac gacagcactg gctctgtgaa ggtggcatct ttctgggcag 660
gcaggccatg gggcatggag gagggtgcaa agatatgggt tgctgtcttc tggcctccag 720
ctgcatggag gccggcccag ggtctagggt gtgcactggg caagggcagg gcggcaggtg 780
tcaggccggc ttggacaatg aaaccctgac cttgctgcat tccttttgct tccaccacca 840
ctagcttctt tggaatcttg gggtgggggt catctttggg gattatggct gccacccggg 900
atttgagtgt agggagtgtg ggagcagcct tggcagatkg gcacccgtgc cctgcaggtg 960
ttgacaagat ccgccatctg taatgtcctt ggcacaataa aaccaaatgt cagtttccct 1020
gagccccgac tctgttctgt gtggggcagg ggttgggcgg gcctctgggc agaggatgca 1080
atggcacgga ccttggcttg acctcagagg tgtgaatgct ctccagcagg gtctgtctgg 1140
gggcctggag tttgtatttg atttgctgct tattaaacct ccttctggac ctattgccac 1200
tgg 1203

<210> 5127
<211> 669
<212> DNA
<213> Homo sapiens

<400> 5127
aattactgga acccgggagg cggaggctgc acagtgagcc aagattgcac cactgcactc 60
caggctgggc aacagagtgt gactccgtct caaaaaaaca aaaacaaaaa saacttcksc 120

ctmckmsrca gactcctccc ctggtcacca ctagtgatcc accttatgga tctcccaagg 180
ccacctctgc ctctgctctg tgttgtatta tttgggggac ctgtggtctg gcatgcattg 240
tacttggtks cccaaagggc tgtggcatct gataagtgat ttatcctcag gcacagattt 300
gcactatgtc acccacttac ttgtatgtag aagtgagtca ccggctggca aatgggcata 360
gctgctgggc agtggatgca gctccatgca tgttattctc atttgataca ggatctcatt 420
ggcttctcac agcaatcctg tgcactatag gtattgctcc cgggaacaga tgaggaaaca 480
ggagagtgcg agattacagt aattttgtaa atgggaggat ttgtgaaggt ttcagacata 540
caccctctct catatgtcaa ggatatgaag tctaatgaat cccctaaagc agcaggggtt 600
ggcaagcttg tgccctgggg ccaaatcagc ctactgcctg tttttgtaaa taaagtttta 660
ttggaacac 669

<210> 5128
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 5128
ggtgccatgg agttcaccat ctgcaagtca gatatcgtca caagagatga gttcctcaga 60
aggcagaaga cggagaccat catctactcc cgagagaaga accccaacgc gttcgaatgc 120
atcgcccctg ccaacattga agctgtggcc gccaagaaca agcactgcct gctggaggct 180
gggatcggct gcacaagaga cttgatcaag tccaacatct accccatcgt gctcttcatc 240
cgggtgtgtg agaagaacat caagaggttc agaaagctgc tgccccggcc tgagacggag 300
gaggagttcc tgcgcgtgtg ccggctgaag gagaaggagc tggaggccct gccgtgcctg 360
tacgcsacgg tggaacctga catgtggggc agcgtagagg agctgctccg cgttntataa 420
ggacaagatc ggtgagnagc agcgcaagac catctnggta gacgaggacc agcttt 476

<210> 5129
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

<400> 5129
aatcccacaa agcctagcac caaacttctt tttttcttcc tttaattaga tcataaataa 60
atgatcctgg ggaaaaagca tctgtcaaat aggaaacatc acaaaactga gcactcttct 120
rtrcamwarc ymkagactrk tswcwmwcag atggttgctc agggacaagg tgccttccaa 180
tggaaatgcg aagtagttgc tatagcaaga attgggaact gggatataag tcataatatt 240
aattatgctg ttatgtaaat gattggtttg taacattcct taagtgaaat ttgtgtagaa 300
cttaatatac aggattatng aaanaatatt ttgtggtata 340

<210> 5130
<211> 610
<212> DNA
<213> Homo sapiens

<400> 5130
gttaacttct ctgagagagt tccttgtaag gctacttata aatagtagta tatatatata 60

tagtttatgg cagggaagat ctgggaagta agcaaaaaga gcctttagtt aggcaacata 120
gaacaaaata gaggtcacag gttccatgca ctgaagaatg gaattgaaat agagactcca 180
gggtcataga ctcttggaag gaagactaga gtacattcat gaccctcacc cttaattact 240
tcacaggtga gaaaaccaag agctacagaa aataagttat tcctcagywc cagggcctrs 300
ytccttggag aattgggtta aaattcaaaa taaccttcta aaaaattctt tcagaaacga 360
gtagtgaaag ccagtggatc aaattcagtg atagttaaca gagaaacagc agcatagata 420
agtaagccaa tttaatgtag ggagcaacca ctagtgtaca tgatctcagc tcatctggta 480
ctaccaagta aaaatgaacc tgggccagcc acagtgactc atgcctgtac tctcagcgct 540
ttgggaggcc aaggtgggag gattgtttga ggccaggaat ttgagaccat cctggtcaac 600
atagcaagac 610

<210> 5131
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5131
ctgtgaagta tatgtaacat gagcgagcgc taggggaacg cttcaaagca gtaggcagac 60
atcattgtgg agctaaacta agcacagtgc ctatagacca gggtgctatg aacaggcgga 120
aagagtgttg acaatcagaa attgtcaatg gtaattgcaa ataggaagac gcaagggcag 180
aatggcagct gcaagcactg atttgcaatt atgccacttt cactgggaac tctgagtact 240
ccagggtggg tagctgctgc agcttgcttt cttctaatga ggattaatga ttactttgag 300

<210> 5132
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5132
gcatcctctg atggcactgt aaagatctgg aatatgaaga ccacagaatg ttcaaatacc 60
tttaaatccc tgggcagcac cgcagggaca gatattaccg tcaacagtgt gattctactt 120
cctaaaaacc ctgagcactt tgtggtgtgc aacagatcaa acacggtggt catcatgaac 180
atgcaggggc agattgtcag aagcttcagt tctggtaaaa gagaaggtgg ggactttgtt 240
tgctgtgccc tctctccccg tggtgaatgg atctactgtg taggggagga ctttgtgctc 300

<210> 5133
<211> 757
<212> DNA
<213> Homo sapiens

<400> 5133
gctgccacca cccccgggcc cagcctgtct gaaagttcag ggtttaggcc gagaaacccg 60
gtggggaggg gtggggagcc ggagctctgt ggcggggctg gagggctggg gtgcacttta 120
gtttggggcg ggacgggagc cgccgttgtg actggcgtgg tctggctgct gctcccgaac 180
ggaggggtcg gggttggctt gctgggccct cagagcccag tgggtggctc tgactcggct 240
ccctactccc tgcacccagc tgggcgcagc cttggggcct gcggtctgaa tgtatccctc 300
ccctcagttt taacctgagc tgccgaacgc acagtgggcc gggggcgagg ctgggggaag 360
cggggcccaa ttacggatcc cgggagttac aggtgccgac gtgatgtcgc ttctctggtg 420
cccagctccc ttcctggtct gagactagct ctgggggtgg cgggggcccc cacacgctyg 480
ctcccgctcc accctgcccg tgctgctgct ctgtgcctgc tgtcagagcc ctggtggggg 540
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gcttatgggt gtggtccgtc cagacacctt gtttcaaggg ggatgggcgt gagcgggcaa 660
gcagagcatc cccaccgctg agcaagaact ttttcttgtt tttaaaccat cacgtcctca 720
tttcacattg gaataaagtg agtttttgaa acctgcg 757

<210> 5134

<211> 1316
<212> DNA
<213> Homo sapiens

<400> 5134
gtggcaactt gatgaaacag ccaaatgcac cagggcaggt cactttccca ttacactgat 60
tccacaatta aaaaaaaaaa aagaaaaaaa actcattgar atagctacag ttctataggt 120
taatttaaag cctccttttt ctactcattt ttgaaascaa aattacattt tactatttta 180
cataaccagt gaaaagacgt tgaaagccta cagctcactg tttttggtgc tctggaaatg 240
ttgagggtgg gtttttaacc agtgattttt aacgtgcagt gaatttgtta gacttttaaa 300
caccagctaa ggtagtcaaa cttgatcccc attaaaaatc aaggaattag gggtcggggg 360
agggtttagg agtgatccag aatgacctcc cagaattact gtgcgtacaa ctttatttt 420
cagagttttc attggaatgg taagagtttt atgaaagaca gttttaaaac ttattctgag 480
ttaaatatta atactttaaa aaattattgt actagactta tcgcagcctt ttgaaagtag 540
cagagtttca tcataccaca tatataacag agcataaatt ttctataatc aggcaccttt 600
tgctgctttt gagtaagact gttttcctgt ttaagtgtta agcatcgcca gacataaaaa 660
tctattctct cctctcgatt gtagcatagc ctgacagctc tagatacagc atttctatga 720
tgaaaaatga gtatccatca ggaaatctag aagactagcc gtgttttctc agactccacc 780
tttgtttgca ctctgttgcc tgtgaggagc tttctggcat gtgattattt acttcaaaac 840
tagagttcca agcacctaca ttaattattt tatattgtgt gcagaatagt atatctttta 900
atgtcagata tgatacactg cacatattgc ttttgcactc ttaaaatttt tgtactaaat 960
aatagaaaat atttatattc tttgagtgtg agctttgaat agatggcatt atcactttat 1020
tgttttttt ttaacaaaaa ctttttctca attattctat tgcaatgtta ttctgagcaa 1080
gtcctatgcc aaatatcttg tataatgttt gtatggaaga ttaaatttta ctcttgtgtg 1140
gtaagactat ttcagttact gattttatag ttggaatttg atattccagc acaaagtcca 1200
cagtgtattc agaaatccaa gttggtgtca tacatttcat tttgatgtga acttttcttt 1260
gctttccttt gttctaagac tccattttgc aataaacgtt ttgacagtaa aaaaaa 1316

<210> 5135
<211> 377
<212> DNA
<213> Homo sapiens

<400> 5135
aacgcttcaa ttgttttgta gaaattttaa taggaacttc aagaagtaaa cctttataac 60
attgtaaatt cttacgtaca gcatcacaaa agacaaggaa tmctgtcata tccttttagc 120
aaaatgakat tgcctaggtt cttgttgcaa aataccacat aatgaaatcc ttcctgttgc 180
atgattaact gggtgagaat atcatctttc cttttggtcc gtagaaatgt attattcact 240
actccattct tgaggtttgt tttttaattt ttttggagac agtctcactc tgttgcccag 300
tctggagtgc agtggtgcgg tctcagacgt ctcactgcaa cctctgtctc ccaggctcaa 360
gtgattctcg tgcctca 377

<210> 5136
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 5136
gaagacacca gtggtggaat cgagtgtttg gccacagttc gggacctatg gtagaaaaat 60
actcagtagc tacccagatt gtaatgggtg gcgttactgg ctggtgtgca ggatttctgt 120
tccagaaagt tggaaaactt gcagcaactg magtaggtgg tggctttctt cttcttcaga 180

ttgctagtca tagtggctat gtgcagattg actggaagag agttgaaaaa gatgtaaata 240
aagcaaaaag acagattaag aaacgagcga acaaagcagc acctgaaatc aacaatttaa 300
ttgaagaagc aatagaattt atcaagcaga acattgtgat atccagtgga tttgtgggag 360
gctttttgct cggacctgca tcttaaggnc atgaatattc tcccataacg gattcaacta 420
tgagaagaga agtggcagca ataaggcagt ctctcaaaag tcatactgcc agagtctcta 480
gggcaaggng aaacanctag ctgggcaata ctcaattcac aacttagcat tttgccatct 540
tgaagcttgg 550

<210> 5137
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 5137
cgccagagca gcagtgggga acatcttctt gtctgctgga cacctgattg ggccggttct 60
ctgccattcc ttctgcaatt acatgggttt cccagctgtt tgcgcggcct tggagcaccc 120
acagaggcgg cccctgctgg caggctatgc cctgggtgtg ggactcttcc tgcttctgct 180
ccagcccctc acggacccca agctctacgg cagccttccc ctttgtgtgc ttttggagcg 240
ggcaggggac tcagaggctc ccctgtgctc ctgacctatg ytcctgggat acgctatgaa 300
ctntgaccng ctccccancc ctccccacca aggggttact gcaggggaag ggctaggtgg 360
gggtccccga gatcttaggg aatttttta gggggatttt aagccagagn tagtttgcgt 420
tcccagggac caaggagaaa gaagcat 447

<210> 5138
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(555)
<223> n = A,T,C or G

<400> 5138
cgacagctct ccaatactca ggttaatgct gaaaaatcat ccaagacagt tattgcaaga 60
gtttaatttt tgaaaactgg ctactgctct gtgtttacag acgtgtgcag ttgtaggcat 120
gtagctacag gacattttta agggcccagg atcgtttttt cccaggtgca agcagaagag 180
aaaatgttgt atatgtcttt tacccggcac attccccttg cctaaataca agggctggag 240
tctgcacggg acctattaga gtattttcca caatgatgat gatttcagca gggatgacgt 300
catcatcaca ttcagggcta ttttttcccc cacaaaccca agggcagggg ccactcttag 360
ctaaatccct ccccgtgact gcaatagaac cctctgggga gctcaggaaa gggggtgtgc 420
tgagttctat aatataagct gccatatatt ttgtagacaa gtatggctcc tcccatatct 480
ccctcttccc taggagagga gtgtgaaagc aagggagctt ngataagaca ccccctcaaa 540
cccattccct ctcca 555

<210> 5139
<211> 576
<212> DNA
<213> Homo sapiens

<400> 5139

gctacgtggg aggctgaggc rgragaatct ctksmrcckm rgaggmrgag gttgcagtga 60
gccaagattg tgccagcctg ggcgacaggg tgaggctctt gtctcaaaaa aaaaagtcca 120
catcttcatg aaccctcaga ctctggagtt gggtgtcggc ttttttagcc agcttttgtk 180
ssrwttrsyk wkracctatt aaagaaggaa agtgggtaat ggagtcccag ccactcaaga 240
gactggatat cccccgagaa tggcttgggt taccagctat ggacccttgg aagatgaatc 300
taatccttct cactggtttt tctttgcaaa ttcatttgct tttatttttc taataacaat 360
aaactctatt ttccatgttc tcagggcccc tgggtagaca gacacagctt gatttcagag 420
cagacatagg cgaagaaaac atggcattga gtgtgctgag tccagacaaa tgttatttat 480
atacacatcc aaatttgaag agaaaatgta tttctttagg tttcaaacac tgtaatagat 540
ataaagcaaa aataaaaacc tgttgcaaag ttaaaa 576

<210> 5140
<211> 631
<212> DNA
<213> Homo sapiens

<400> 5140
agtacccaga gttgcgagga gtttttaac tgatttagcc aggtggcaat catgagtgaa 60
tggatgaaga aaggcccctt agaatggcaa gattacattt acaaagaggt ccgagtgaca 120
gccmgtkmgr agawtgagta taargsatgg gttttaacta cagacccagt ctctgccaat 180
attgtccttg tgaacttcct tgaagatggc agcatgtctg tgaccggaat tatgggacat 240
gctgtgcaga ctgttgaaac tatgaatgaa ggggaccata gagtgaggga gaagctgatg 300
catttgttca cgtctggaga ctgcaaagca tacagcccag aggatctgga agagagaaag 360
aacagcctaa agaaatggct tgagaagaac cacatcccca tcactgaaca gggagacgct 420
ccaaggactc tctgtgtggc tggggtcctg actatagacc caccatatgg tccagaaaat 480
tgcagcagct ctaatgagat tattctgtcg cgtgttcagg atcttattga aggacatctt 540
acagcttccc aatgagaggc caggaagtgt gaacatactg atagaaaaag actatatttt 600
atccctcata aaatgtttta aawrtaaaaa t 631

<210> 5141
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5141
aagtatatat gactccactc aggggtgtaa aagcaaccca agcatcaaag tctactcagc 60
taaagactaa cagaggacag agaaaagtga cagtttcagc taggacgaac aggaggtgtc 120
agactgctga agccgactct gaaagtgatc atgaagttcc agaaccagaa tcagaaatga 180
agatgagact accaagacga gccaaaaccg cagcactaga aaaaagtacc acttaccctt 240
gcccaatttc tcaatgaaga tctaagttag gaaagacgat ggaggtggaa tcctttaaga 300

<210> 5142
<211> 699
<212> DNA
<213> Homo sapiens

<400> 5142
gtttcactgt gcggtgcagt gcggcggcag ctcgtgagga ggacccgtac atkgacacca 60
ccctgaaggc ttgcccacct gtcagtatgg atgtctgtgc tttaagaata cagcttttca 120
taggcttgaa agccatctgt cactttaaaa accacatcat acttttgact aaagcagaac 180
cctgaagcca ttccagagag aagacagtca cccaagaggc ttctttcgag waarsatmcc 240
mktgyymmar kcaaaatwcc tgccwgtwkc tgagrmtgag ktgkaaytkg tatattktgw 300
rtaykatcty wccagtgcag ctgtacaaag agatggtaga ctatagcaat acctataaga 360
ctgtcaaaac ccagagctgc attcaccttc tcagtgaggc tcatctgtta gtgcgagctg 420
scctgatgga tgccagtcag ctggaacctg gagagaaggc agagcttttg gaagcattta 480
aggaaagctg tgggcacctt ggggactgtt acagcaggct tgactcccag cattctcatc 540

tcaccttgcc atactataag atgtctggtt tgtctatggc tgaagttctg gcccgcacgg 600
actggacagt agaggatgga ttacagaaat acgagagagg attaaatctt ttacattaaa 660
tccattccac tttatggaaa acctgggatg taaggaatt 699

<210> 5143
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 5143
caggtagtgg cccctgtaag cagggccaga gtcgggacaa agagcaggag tgaagcagcc 60
aagagacaga ggaccaggct ggagccagtg ggcacgcagg agcctgcctg ggaagaagcc 120
ggggggcaag gctggcatgg gaatgaacac ctgctggtga cacctctctg agcttcagtt 180
cccttaacta gaaaaatага acaggcccgg tgcggtggct catacctgta atcccagcac 240
tttagrkatg rytgmrrcrr ktrswtcwts agrtcaggms wtccwwracc ayymwrrccg 300
acattggggt attagcaatg ttttgttact tgggcatttt caagaggcag acatagtcca 360
gaagcagaag nttgggcagg tcccagatct tgttctatag ccctttatcc tgaagctcgt 420
gcc 423

<210> 5144
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 5144
gctccttctt actctagtat ctctgccttt ggtcagtcag agagcatttg atgagtacca 60
tgctgggctg gaccccatcc tggctgccct ggaagataga gacaggtcac cttgatccct 120
gcctgtagca tttgggctgg ctgagatggt ggargtgtga acagaatatt ccagtccagt 180
gtcctctgtg gtagggatgg ggatggaccc sggagaggcc ctcctgttcc tggcaggagg 240
tgggactcag agttaaaagt gaggtcaagr cccagtgcga tggctcacam ctgcagtcct 300
agcacttcgc gganttnagg tggatcacca gaacccngta gttcaagacc agccttggan 360
aaanat 366

<210> 5145
<211> 952
<212> DNA
<213> Homo sapiens

<400> 5145
ggttctacca gtgcctacac caagagtggc tactgtgtca acaggttttc ttcacttctg 60
ccaggaggca acaggcgaaa ctcaacagca aaagactaca ccattctaga ttgcatttac 120
aatgaggtaa accagaccta ctacgttctg gatgtgatgt gctggcgggg acacccttt 180
tatgattgcc agactgattt ccgattctac tggatgcatt caaagttacc agaagaagaa 240
ggactgggag agaaaaccaa gcttaatcct tttaaatttg tggggctaaa gaacttccct 300
tgcactcccg aaagcctgtg tgatgtgcta tctatggatt tccctttga ggtagatgga 360
cttctcttct accacaaaca gacccactac agccccggaa gcactccctt ggtgggctgg 420

ctgcgcccta catggtgtca gatgtccttg gtgtagctgt gccggctggc cgctgaccac 480
caagccagac tatgctgggc accactccag cagattatgg agcacaagaa gagccagaag 540
gaaggcatga aggagaaact cacacacaag gcctctgaga atgggcacta tgaattggag 600
cacctgtcta ctcccaagtt gaagggttct tcccatagcc cagaccaccc tggatgcctc 660
atggagaatt aaagagagaa gmctccttaa ggagccacag gatggtacct ggccccaaaa 720
ggaatcctgg agaggaggac agtgacaaca ggtgacttya ttctttagag tgaactttcc 780
aaacccagtc cagctggaaa cagcttatct ataatctgaa atgctggctc aaacagttat 840
ggggaggttc ccagattgcg tagcattcag attgatttga gcagctccta ctgtgataag 900
tgtatcccag atccacaatg taaatatatg tgatttgtaa gaaaaaaaaa aa 952

<210> 5146
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 5146
gcaccagcag gtagtggccc ctgtaagcag ggccagagtc gggacaaaga gcaggagtga 60
agcagccaag agacagagga ccaggctgga gccagtgggc acgcaggagc ctgcctggga 120
agaagccggg gggcaaggct ggcatgggaa tgaacacctg ctggtgacac ctctctgagc 180
ttcagttccc ttaactagaa aaatagaaca ggcccggtgc ggtggctcat acctgtaatc 240
ccagcacttt agrkatgryt gmrrcrrktr swtcwtsagr tcaggmswtc mwkaccaccm 300
tkraaaccgc attggggtat tagcaatgtt ttgttacttg ggcattttca agaggcagac 360
atagtccaga agcagaagnt tgggcaggtc ccagatcttg ttctatagcc ctttatcctg 420
aagctcgtgc c 431

<210> 5147
<211> 1101
<212> DNA
<213> Homo sapiens

<400> 5147
tgaaaagggt aaacctgttt cacctcccaa atttatatat tcaaagtatt tacttaaaat 60
tcagaagcca gaagttcatg tcatgattac caggaagttc aggccagaat gaatccctag 120
agaagccagg ccaagcctgg ataattgcag ctggatgacc ctggcccgaa agtcacagtt 180
maktckgmmy kakkcctagt tcaggcttac tatctagaac ctcatgctag cttaggttgc 240
atgtttacat tgctgcagtg tctttactgg aagcttagtt ggatcgaaat ggacaccgag 300
atggagatgc ttctggctac atttcgcaga accccaggag acctgcattt agaccactct 360
gtccatttgt gtgcccaccc ccacccccag ggtctaagtg tagactccaa gaggagcagc 420
ccagagcttg gaggagaggt gtgtctgggg saccactggt gggtggtgct gctcttcttt 480
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ctttaaggca gaagctcttc ttcattgtgt accycctggg attcatgagg tgtgagattt 600
ggcctgcttg actttgaatt caagtttttc aagtgactct cagtgtcaga agaagatttc 660
atgctgtcca catgtggtat gtccacagct caccttcaaa ggcttagatg tagccatcac 720
agagagtggt attttattaa gaacccaagt cccagcctga ccaacatggw gaaaccccat 780
ctctactaaa aatamaaaat tagccgggcg tattggcgtg cgcctgtaat cccagctact 840
caagaggctg aggcaggaga atcgcctgaa cccagaggcg gaggttgtag tgagccgaaa 900
tcacaccatt gcactccagc ttgggcaaca atagcgaacc tccatctcaa attaaaaaaa 960
aaatgcctac acgctcttta aaatgcaagg ctttctctta aattagccta actgaactgc 1020
gttggggagc tgcttcaact ttggaatata tgtttgccaa tctccttgtt ttctaatgaa 1080
taaatgtttt tatatacttt t 1101

<210> 5148
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 5148
ggaagaggga cgccgagaag aaggacctgc ctgtcaccaa aaacacgctc aagtgcactt 60
tccggtccct ccaggtcagc aggctgccca gcagcggcga ggctgcagcc acgcccacca 120
tgtccatgac cgtggtcacc aaggagaaga acaagaaggt gatgtttctg cccaagaaag 180
cgaaggacaa ggacgtggag tctaagagcc agtgcattga gggcatcagc cggctcatct 240
gcactgccag gcagcagcag aacatgctgc gggttcctca tcgacggcgt ggagtgcagc 300
gacgtcaagt tcttccagct ggccgcgcag tggttcctcg cacgtgaagc acttccccat 360
ctgcatcttc ggacactcca aggccacctt ctaggcccca cccaccaggg gggcccacct 420
ccttgcccca ttgntgtgag ggggcccagc ttgcattttc ttgtttaaac attttcagtt 480
ttaattacag aggacagacg tttnaaaaca caaag 515

<210> 5149
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 5149
cagagctgta tcttcagtgg tgtgatgaag ctacagtagg ggagatcact catgctaggt 60
atggatctcc ttacccttgg cctctgaatc atattttggc ctatcaaaaa cagtgggaag 120
kcaaacgtaa grtgraagct atkggatggg gaaagaagac tctggaccag gtcttagagg 180
atgtagacca gtgctgtcaa gctctctctc aaagactggg aacacaaccg tatttcttca 240
ataagcagcc tactgaactt gacgcactgg tatttggcca tctatacacc attcttacca 300
cacaattgac aaatgatgaa ctttctgaga aggtgaaaaa ctatagcaac ctccttgctt 360
tctgtaggag aattgaacag cactattttg aagatcgtgg taaaggcagg ctgtcataga 420
gttatgtgtt agtctcagga gtcttaactt ttgaaatatg ttttacttga atgttacatt 480
agatattggt gtcagaattt taaaaccaaa ttactgcttt ttgaaacctc aaattatata 540
atgtatctta tgtatgtgct ttatattgtt atttgtgtat acattaaaat aattctgaat 600
tatttaatct gatatgttgt attctgtatc ttgaaatttt tgtttccttg aaacatgcat 660
gcatttaaaa ataaagctta aacaactgta tggatgttaa aaaaaaaaan 710

<210> 5150
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(648)
<223> n = A,T,C or G

<400> 5150

atttagtgag atttgtattc taggaagtgt gtgccgtcac ttgttcattt acaactgcaa 60
agattgtatg tctcctatgt tttcctttca tgccaaagaa actcaccctt tttaaaagcc 120
agcaggttgc acaaaccaaa aacaaaatat tttgcccctt aaataggcat tttaagaagt 180
tttatttcct ggtacttaaa tattgtgtag agggaaagct agttgtaata atttgtaaaa 240
atgcgtgtat ttttaggaat gcgctatttc cagtaaggga agtattgaca tttttaagga 300
actgtgctgc attaaaatcc acagttgcat gaaactttta aaagtttaag atataaagta 360
attgctaaaa tttgtgaact actcagagga ctcaatgccc taacatgtag gggattgatc 420
attgcgatgt ttaggccagg atttctcatg attgtatatg gttattgatc atttttaagg 480
ggctgaacct gctgccttta tacttttgac acctccctcc ctcccncccw ccaaactgtg 540
gctgtaaaca gtgactctgc atagtcagcg ttatacttga tttctttgtg aatgcaaata 600
aaataaaatt tgtaagtcca ccaaatattg acttaactag gtaaatgt 648

<210> 5151
<211> 906
<212> DNA
<213> Homo sapiens

<400> 5151
gtactttgag tgtttggggg ttcaacacac acatgcaatt ttgcttaaca aaagtatttt 60
ataatacagt ttcatacaga attaccttaa aagggagtct tatgttttca actacagata 120
gttgwaaggg atcataccag aagatattga tgatagtkga aatattctta gaaggggtgt 180
gtatgtccta gcctgtgtct accatgtgta tgtattcttg acaagcagta taaaatacct 240
gtgatttttc tttacattag ggataatgca taaggaatta atcttcatat atattatcat 300
ccctaatgta gcaggggggaa gtatttaatt gcccatgata tgtattttac ttatactatg 360
ccrgagrgga aactataaag taattacmca tgtaatcttg ggtttttcac atatgtaggt 420
attcattttg agtaggttga agaagaaaaa aaatatttaa atgaattgaa ttcctgatgg 480
gatagtatca ataagtattt aaaagccagt attctaaaaa taataaaggg tagggtcatt 540
tttgagtttg tttttctttt gctattgtta atattcaaaa ttaaagtgtt acattggtac 600
ctgttgtctt aatgcattta ttgagaacag cattgagatg atgaacaagg ggttagcaat 660
agcaaactct ataattattt tgactaatta cttaagagga aaacagtata agtatctcat 720
tcagtattta gcaattctgt aaaataagta ttatctctat ttttcagatg aggaagtaag 780
ggtttagcaa ggttaagaga tctatccaat ttacacagca agttagtagt tgagcctgac 840
catgagtctt ctgactctgt tcttttcact atgcaatacg caaacaataa aatgttatac 900
aaatgg 906

<210> 5152
<211> 677
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(677)
<223> n = A,T,C or G

<400> 5152
caaagccgtc ccttcaaatc cgtctttgtg cccactgcca tagtcaaccc cgtgagaagc 60
acagccggcc ctgggacttt aggacaaggg tctcttcgga aagggcggag cagcatgaga 120
aagaatggat ccctgcagag acccctccag tccgggatcc ccactctcgt ggtagsctcc 180
cycaracsca gccccaccat ggtccttcgg cctcagcagt tccaattcta ccagccacag 240
gggatcccct cctcccctc asccgtggtg gtggagatgg ggtccaagcc tgccctcacg 300
ggggagcccg ccctcacgtg catcancagg ggcagtgagg cccggttcca ctccgcggcc 360
agctccctca ttatggaaga caaagaaatc cccatcaaga gtgagcctct gccaaaaccg 420
cccgcatctg ccccaccatc catcctggtg aaacagaaaa ctcaagaaat ggcatcgaaa 480
gcaagtcaaa accgtgagat ttcagaatta cagccctcct ccaccaaaca ttacacctcc 540
atccacctcc ggaaagcctg acagcagcac cctcaaggcg tccagctgaa gcagcgtctt 600

gggccagaga tgacatctat ttgccaccga gtgctgcact cggcaagaga agactcgaga 660
agtagctctg caaggca 677

<210> 5153
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 5153
ggcagtgctg cgcggggctc ccagccctgc tgggaaggac cagggaacca ctcagcaatt 60
agaccctctt ggccctgccc ccaccatgca cccagcagcc agggagtgca gcggkcagcc 120
tggcagtgag tgaaacccag gcctycagcc ctccaaagcc tggggccacc ccctgtagca 180
ggcgatgcta gaataaggag gagagccaga gctgaggctc cttgcccctt ggcccctyca 240
ggggccatgg gatctctgtc tcccacaccc ctgtcacggn ccgcctggan cancccatag 300
g 301

<210> 5154
<211> 427
<212> DNA
<213> Homo sapiens

<400> 5154
gtgatccgca agttgtggaa gaaatacgcc aagcaaataa agtagccaaa gaagctgcta 60
acagatggac tgataacata ttcgcaataa aatctygsgy cramagaaaa tttgggtttg 120
aagaaaataa aattgataga acttttggaa ttccagaaga ctttgactac atagactaaa 180
atattccatg gtggtgaagg atgtacaagc ttgtgaatat gtaaatttta aactattatc 240
taactaagtg tactgaattg tcgtttgcct gtaactgtgt ttatcwtttt attaatgtta 300
aataaagtgt aaaatgcaga tgttcttcac ccctttggt agaacaaaag caggatgata 360
accatatccc cccagtgctc atcaaagtag gacactaaaa atccatccat ctcagtcaaa 420
gtcgagc 427

<210> 5155
<211> 775
<212> DNA
<213> Homo sapiens

<400> 5155
cttcaggaac tagatgtata tgcacaaggg attgagttta cactaaaact aggaaatgga 60
gttttcaatc tatgttcttg cctcttcata cttttattta ttttttgtca tcctgcctta 120
tactgggcta acaatgagat aaaataaaaa taccttttgaa tactcttttc cctttcatgc 180
atttaaagcc atggaggaac tagaccatta gctgttgccg tcacatgctt agacaccagt 240
ttacttagcg tgttatgacc ttcctcaccc atactaccaa atttaaatgg gtcccgactt 300
caccctctgg aaggaagtaa actcttctct ccccatggtt tcagagcagt ttttacctgc 360
aagcaccatc tctgtatgtg ctcttactag attatacagt tcttgagagg gattgcatct 420
tggtgttttt gtatttccac ctcaccccca gcacatagcc cagtctcttg cacaaattaa 480
gtacttaatg tgtgttgagc taaattgaat aaaggattat tagcattagc atattttgtg 540
ccttggttgt ataagctggt tgtttgtttt gttacctttg caaatattta tgattatcac 600
ccccccacat actaaattgt ttttaaaagt tttgcctttc cttcagatac taccccaggc 660
aatttgctgt agataatgtg attgcttcca atgacataat tatcccaaac tctctgcccc 720
ggatatactt tgccaaacga aatttgaatt ctctgaataa attggtcatg tctaa 775

<210> 5156
<211> 713
<212> DNA
<213> Homo sapiens

<400> 5156
gttggagaaa tccaaagctg accaaaacat ggtccccacc ttttggagct tacagtctgt 60
tctggggaac agagattcag ccaaagtcaa gaaacactgg atgccagcta gattatctgt 120
tctgtgcttt ggtgtctata agtacatatg tggatatggg ttcattttat ccctaaactt 180
agtaccaaac cagcatttaa tatctaatta taaatctaat ttggcctaaa ctttattatt 240
gcacactgcc tgaacaaaac ctatttgtct ctatgtaaat ttttcctca tggaacaagg 300
gtgtgaaatg aaaatatttt aggatttatk caaaracaga ctattctgtt ttcagcttca 360
gaattgttct ttgaatccta aggaacctct gtcaacagtt gaggttgctg ttgaaaagaa 420
agaagaagga ggcggaaatc tctcagggag aattatttcc tttcttttct atttcagata 480
cctggagggg tggggagaag taagaattgt aagggaggtt cagtagtggg gaattctgtg 540
acagctgatt gaagatgatg atgaagaacc tctgcattct agttaccctt tgcttcgctt 600
tcacctcttg taaaattggg ctggcaacaa tgacattgtc atgctttatg tccaatatcc 660
tcctgtcgag atctaatggt cttaatcgtg ccgtaaatgg aattccccca cca 713

<210> 5157
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(529)
<223> n = A,T,C or G

<400> 5157
agcagctgca tctaggggcc cttggtgaga tttacactca gagcctggtc gccccccgtt 60
agcccagatt caaaaggtga acatctgttt gcagaatctg attcatgaga aggtgagttt 120
attgttttca gtttagactt ttgggaagtt ggactagaga ggggagttgt tggggtcagt 180
gctggcttaa cagaaaacac agcgaatttc ccctccagtt ctccccaagt ccactgaaca 240
aggctagttc ctgcaccacc caggattcaa aggaaagacg aagggagcag aacttgtggc 300
agcaacaggt aaacttcaan aaggagggca ggatcccacc ctacagggct gggangganc 360
ccaaaggccc catctgtttc tcctccagga gttgtcaagg cagcagaaag gantcaccca 420
gccaaaggag gagatggctc ancggggctg caccaagggg ccaagaggcc tnacccgtgt 480
ctaaaccctc ctctcactcc cctaagcctg gtngaaaaga gtcagaaan 529

<210> 5158
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 5158
ttcattttta aaaagcttct ccttattatg ttgttgttta acaactkaaa cgctatctct 60
agaccaggaa taattatttg ctatatawta cagcaaaaaa tatgtatgta taaatggact 120
cattcaaaat atataaagaa ctcctattac aaagaaattg acaaacagcc cagtatatca 180
atgaatataa aaatttgaga agatattttc cataagaaga tatctaaatg aacattaggc 240
atgagaaaac caaattttag gatatcacta cacacctggg yrtagtttaa aagactggaa 300

aatattaagt gtgtggggaa tgtagagcaa ctgaaaatgg cctacatctt tcataggaaa 360
tgttaaaacc aatacaawta ctttggcaaa actctgtccm acmttttcta cccmtttcac 420
ccagggcact ycctccctg gcttttgggt tnccccggg 459

<210> 5159
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5159
ggatgccctg gggcagaagc tgcccagaag gccccagcca gggcctggag agcagctcac 60
agtcttccag ttctggagtt ttgtggaaac cttggacagc cccaccatgg aggcctacgt 120
gactgagacc gctgaggagg tgctactggt gcggaatctg aactcggatg atcaggctgt 180
tgtgctgaag gccctgagat tggcgcccga ggggcgtctg cgaagggacg ggctgcgggc 240
cctcagctcc ctgctcgtcc atggcaacaa caaggtcatg gctgctgtca gcacccagct 300

<210> 5160
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

<400> 5160
gtgggaactt cccctactcc ctggatgtgt gtacctagca cacttccttc tcccaccct 60
ttttccagtt ggatttgttt ttctgttctc ttctgtcctg tcttatactg caactgtgtc 120
tcctagggga cagatggcct tctttgtcat cttcactctc caccccaga gaggagtcag 180
agcmwtaact caatcactca gcccctccaa agatagttga tgtgtgataa tctcataatg 240
ttgagaaccc tgatgagata cattgtcttc ctctccctac aatgcctctg gggccaaggc 300
acccattctt cttgctatcc tccatccccc ttgaggcttc cacttttttt ttttttagac 360
ataaagctgg gcatcagcaa ctgggcctgt gggtgatgca aagctgcttt gctctgtatc 420
tgggctggga cttgatctgt ctcacaagga aggccatgag ggncataggg ggaggaaggc 480
ttccttntcc cccttcatct ttctgnttcc aaagggtggg tagggcaagg aggggagtta 540

<210> 5161
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(683)
<223> n = A,T,C or G

<400> 5161
atacgatggg gtgcttggtg gatgggccat ggaggtccgt gagctggaac tgggcacacg 60
ccatcccaga gggctcagga tgccccagga aggaaagaag ggcaacagac tacacgattg 120
gacgtgtgtg gttgactggg atgaagttgg agggaggggc agggccttgc aggggattgg 180
tactgatccc agggaggaag tgttggggct tcatgaacta ggatgaaagg aggcccctga 240
gccatgacaa ggggcacatc caggatttcc gccaccctga atttagtaga gctagtaggc 300
cctggtcgtc actctgggca gggatgccgt cagccttgag ggtcgccacc cacctgtgtg 360
ttgccctctg tcctggcggg gaaacataca ccccttgtct caccaccaac cttgcttgtg 420
tagtcnrcag ggctgccctg ccccaaggac tcactgcatg tacccggacc cctaggcctg 480

gcctttgcag catagttggg agcttctgga ttccatctgc acctgtgagc cccatgctgg 540
ctgtgcactg cgcgggcctg agactgctgg atacaatgtt gggcaacaac tcagccagcc 600
tgatggcagc ctcagaggct tactctaacc catcccagaa taaatggaga cttcatgtgt 660
tcattgtttc attcactcaa aaa 683

<210> 5162
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 5162
ctgacctttg tagagaatcg gaccttcgac atgcaatggc caattgtttt gaagcgttaa 60
taggagctgt ttacttggag ggaagcctgg aggaagccaa gcagttattt ggacgcttgc 120
tctttaatga tccggacctg cgcgaagtct ggctcaatta tcctctccac ccactccaac 180
tacaagagcc aaatactgat cgacaactta ttgaaacttc tccagttcta caaaaactta 240
ctgagtttga agaagcaatt ggagtaattt ttactcatgt tcgacttctg gcaagggcat 300
tcacattgag aactgtggga tttaaccatc tgaccstagg ccacaatcag agaatggaat 360
tcctaggtga ctccataatg caacgtggta gccacagagt acttattcat tcatttccca 420
gatcatcatg aaggacactt aactttgttg cgaacgtcgt ttggtgaatn atagaactcc 480
aggccaagct agcggaggag ctgggcatgc aggagtacgc cataaccaac cgacaagacc 540
aagaggcctg tggggcttcg caccaagacc ttgggcgg 578

<210> 5163
<211> 395
<212> DNA
<213> Homo sapiens

<400> 5163
cagaaattca aataattctt ttctgcttca atgccagcag aaggtccccc aggtagacat 60
ggagaagcac tttgttttaa ataggagggt ttcatagttg catctgaagc cacctggttc 120
tgttwawstg ttrtcgtgca ggtwkwgggt ttggcattat tcatgtttct gatcaattct 180
atgcaactct catagttcct gttacttttt agcattagct gccaaatgac ttcaaaaggc 240
tggggtgggt gacttgactg tgagactgga ttataacatg gacaaatctt attttgctta 300
atgtgtttgt gtgtgtgtgt gtgtgtgtgt gtgtatgtat atatatatat ataaatatct 360
ttcccaatat gccccgttga cagtgtttaa attcc 395

<210> 5164
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5164
cagaaaacta gcaggttaca ttttataggc tattgtagtt ttatttacca aatgatattc 60
tctaaatcac ttcgaccaat aaatgtattc tcctccttaa agcagagttg tatcaactct 120
gtgggagcat ttatgagctg tcagtcccca cacttctagc cagaatcaca ataaggtctg 180
gctgggtgtg gggtgctgca taggaaaggg tctctggaga agcaagaagg gcacaatcat 240
ggcccactgc tcccctcttc ttctcagtgc tctttgccct ctcctgctgc gatgcttcct 300

<210> 5165
<211> 300
<212> DNA

<213> Homo sapiens

<400> 5165
ccttcccacc ttgtgagttc tcccagcagt tcctggattc ccctgccaag gcactggcca 60
aatctgaaga agattacctg gtcatgatca ttgtccgtgg gtttggtttt cagataggag 120
ttaggtatga gaacaagaag agagaaaact tggcgctgac cctgttatag tggttatagt 180
ggtgtcccta aagggaggaa atgatttcag caaaactggt tgaacagcgg atgaagatat 240
ggaattcaaa gctctaatgg acctttttga agagaagttg tggcttatgt ggagtttaca 300

<210> 5166
<211> 655
<212> DNA
<213> Homo sapiens

<400> 5166
ccattgttag catcgtacac gattgtgatt tttatgtcaa aagaagccaa aacttgcaat 60
actattttta gcagacaaaa aaaagaacta agtataaaat gtataaatat ttttgacttg 120
aacatttgga tggcactggg tsmamgtaga gcatccatcc ttcggatgra atgtttggaa 180
aaaagagact tttaaaaagg agacggttgt tttaaagagt ctgtttaggg gttaaagtac 240
tgtaactcac gactgttaaa aaataaattt tcctgtgctg taaaggaagg tttcacagta 300
ccactgagtt agatttcagc cacagatgct tagcttttt ttttgtctt ttttttaagg 360
aggaagcctt tgttttgttt tcctgagccc tcactctgtt tttgtgctgt tactcggtag 420
agtcaagact gttacttttt agccatggct gacattgtat caataactaa aactgaaaca 480
ttcaaaagcg aacagggaaa ccgagggctt caagcgtgct cagagccgtt tcagacagtg 540
gaaatccatg acaaacaaaa ggatgtgatc attaattgta aagcgctttg taaaattcac 600
atttacaaaa taataaagtc agttcaaacc taaaaaaaaa aaaaaaaaaa aaaaa 655

<210> 5167
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5167
cacctgtgcc cccaggctca aggtctctgg caggtgcaca ccagcccaac tctgcagggc 60
ttctytccct gccaccaccc cccaagccag gaccccactc cttccccgag gctgagctga 120
gcctttcca ggggcagggc ccaggagacc attcccagaa tccatggggc agtagccagg 180
gctccggctg ctggaggaag cagctatcca caaagcttcc tgccccagag ctgaggctga 240
ggccccggga gaggcggccc ctacccaaac actggctgct ggcattccac caagtgaccc 300

<210> 5168
<211> 345
<212> DNA
<213> Homo sapiens

<400> 5168
ttacttttga ttgtgtctga tgggaactga gttgttggcc tttgtgaaat gaaatttttg 60
gctcttgaga aagaattctt atgaattgtt atgcgaattt tatatattta aagagggaga 120
tctggggctg ttatttttaa acacttttt tcataataca tattcccgag tagatattta 180
taaaatatat gtttctttca ttatgtgttt gtaaaattag agtttaaata aatatgcttt 240
gatgcatagt tttgaactaa tgtaacatga tttttctttt ttaaaacagc ctgaaaatgt 300
actagtgttt aaaaataaag atttccattt tctccaaaaa aaaaa 345

<210> 5169
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = A,T,C or G

<400> 5169
cgcgacgggg gttcagggaa tatttactgg gcctctccgc tccctctgct cttggaggtg 60
ccatgaggtc agttagctac gtgcagcgcg tggcgctgga gttcagcggg agcctcttcc 120
cgcacgcaat ctgcctcgga gacgttgata acgatacgtt aaatgwacys gtsgygrsag 180
mcrycagmgc ggaaggtgtc tgtgtataaa aatgatgaca gtcggccatg gctcacctgt 240
tcctgccagg gtaatgctga cttgcgttgg ggttggagac gtgtgtaata aaggaaagaa 300
cctgttggtg gcagtgagtg ctgaaggctg gtttcatttg tttgacctga cacctgccaa 360
ggtgttggat gcttctgggc accacgagac actaatcgga gaggagcagn gnccagtctn 420
caagcagcac atccctgcca acaccanggt catgctgatc agcgacatcg atggagatgg 480
gtgtcgtgag ctggtggtgg gctacacaga ccgtgtggtg cgagctttcc gctgggagga 540
gctaggtgag ggtcctgaac atctgacagg gcagctggtg tccctcaaga aatggatgct 600
ggagggtcan gtnngacagn ctctcagtga ctctggggnc actnggtctt cctgaactga 660
tggtgtctca gccaggtngg tgcgttttgc aattctnctg ngt 703

<210> 5170
<211> 404
<212> DNA
<213> Homo sapiens

<400> 5170
acaaggacaa gaaagaaagt acggttgcaa cggctggctc gcatgcatgc cgacatgatg 60
gaggatgttg aggaagtata tgccggagac atctgtgcat tgtttggcat tgactgtgct 120
rgtggagaca cattcacaga caaagccaac agcggccttt ctatggagtc aattcatgtt 180
cctgatcctg tcatttcaat agcaatgaag ccttctaaca agaacgatct ggaaaaattt 240
tcaaaaggta ttggcaggtt tacaagagaa gatcccacat ttaaagtata ctttgacact 300
gagaacaaag agacagttat atctggaatg ggagaattac acctggaaat ctatgctcag 360
aggctggaaa gagagtatgg ctgtccttgt atcacaggaa agcc 404

<210> 5171
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5171
gttcccctct tcttgtgaga ctggtccagg cagcccttct ggacactgca tgatcacagg 60
agcagccctc tggcccataa tgacggccct gtcttcgcag gtggccactc gggcccgcag 120
ccgctgggta agggtgatgc ctagcctggc ttattgcacc ttccttttgg cggttggctt 180
gtcgcgaatc ttcatcttag cacatttccc tcaccaggtg ctggctggcc taataactgc 240
tgttgtcact ccactctcct aggcgctgtc ctgggctggc tgatgactcc ccgagtgcct 300

<210> 5172
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 5172

agcatgccct aaagagggac cagctgtagt aggtcagttt attcaagatg tcaagaactc 60
aaggtctaca gattccattc gtctcttagc tctactttct cttggagaag ttgggcatca 120
tattgactta agtggacagt tggaactaaa atctgtaata ctagaagctt tctcatctcc 180
tagtgaagaa gtcaaatcag ctgcatccta tgcattaggc agcattagtg tgggcaacct 240
tcctgaatat ctgccgtttg tcctgcaaga aataactagt caacccaaaa ggcagtatct 300
tttacttcat tccttgaagg aaattattag ctctgcatca gtggtgggcc ttaaaccata 360
tgttgaaaac atctgggcct tattactaaa gcactgtgag tgtgcagagg raggraccag 420
gaatgttgtt gctggaatgt ctagggaaaa ctcactctaa ttgatccagg aaactcttcc 480
ttccacggst ttaagggggt actttgattc agggttnatt catnattgnc ccgaaggttc 540
agtgggttta cgggctgttg aaattttnac aattttcttg naccctntcc aca 593

<210> 5173
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 5173
gacacattaa aagagagata tcaaaaaatt ggtgacacca aaaggaatac tcccattgaa 60
gctctctgtg agaactttcc agaggagatg gcaacctacc ttcgatatgt caggcgactg 120
gacttctttg aaaaacctga ttatgagtat ttacggaccc tcttcacaga cctctttgaa 180
aagaaaggct acacctttga ctatgcctat gattgggttg ggagacctat tcctactcca 240
gtagggtcag ttcacgtagg attctggtgc atctgcaata actygagaaa gccacacaca 300
tagggatcgg ccatcacaac agcagcctct tcggaaatca ggtgggttag ctcaaccaat 360
gggagagctg gatgttggat gatccccacg ggagccccan tcccaatggc acccattcac 420
agcttcatgc ccgaggtggg aggtagt 447

<210> 5174
<211> 1170
<212> DNA
<213> Homo sapiens

<400> 5174
gggtgcagtg gctcactcct ataatcccag cattttggaa gtcctatgca ggaggattgc 60
cagaggccag gaatttgaga tcagcctggg caacatagtg aaactctcat ctttataaaa 120
agtaatatta aaatttttaa aagtgtataa actgtaaagt atattttact ggtgttttct 180
tccttattcc tacttgtcag atgcaaatac acatttttgt gtgtttgtgt ttagtaatta 240
taagtataca tatttcattc ttctatttca tatatttcta tgacattata tcttagatgt 300
gtaatttatg aactactact ggattatttt aatccattag aaattactat tcacgcattc 360
tgtattcaat tcatgtgata gctaatatat ttggttttaa atgcatctta ttttgtggtt 420
ttcttctagg ctgtttttg tgctttcttt taaaaatata taggttttaa taatcttaat 480
tttcttttag tttgaaatgt atatactcat tttattcatt agtctaagat aagaattgta 540
acacttctct aacctattat agaattgtta atacctttac ccttctcttg aacacatcaa 600
aggatgtcat tgagtgttgg tattggagta tagcatatct attattctgc tcaattagaa 660
gatattgttc atgttgtata gagataataa gtaattgtat tgatctgcag atgcatccat 720
ctcttggatt ctcattcctt ctaccactgc agaactttca cctgtaatca ctttcctttg 780
gccttaagga taacttttag ggttactttt ctactaaatt tccaattttt gaccagatat 840
aatcttatat tgtgctcttc ctgaaaaata ctattgttgt ggatagaaat ctgggttggt 900
agttatttct tcagcaattt gaccatgtca ttccactgtg tccctggcct cctgtatact 960
ggatgtgaat ggatacaatt atatattgtg tttatagttt tcctgtgcta taggaacagt 1020
attccccgaa tctgatgcaa aggacaacac accctagaga ttgtaacagt gagatgaacc 1080
aagtgattgg atggggtttt gagttgctgg aataatggag ttacagtgta caatgcataa 1140

gcaacataat aaattatata tctggtgaac 1170

<210> 5175
<211> 301
<212> DNA
<213> Homo sapiens

<400> 5175
cgccgcacag ctgctgaatg scttggrryt wgstggygcr ttwcmkcrms ymgsrcstga 60
agctcagccc tggccaggtc cagaccttcc tgctgtgggg agcaggggcc ctggtcgtct 120
actggctgct gtctctgctc ctcggcttgg tcttggcctt gctggggcgg atcctgtggg 180
gcctgaagct tgtcatcttc ctggccggct tcgtggccct gatgaggtcg gtgcccgacc 240
cttccacccg ggccctgcta ctcctggcct tgctgatcct ctacgccctg ctgagccggc 300
t 301

<210> 5176
<211> 349
<212> DNA
<213> Homo sapiens

<400> 5176
ctgagatctg cttttactga agtggatcaa tgatgaaact agccaaatct gagcatcaga 60
agkctttccr gtctacctga tgcatgatct ctacagttct gagaagcara actataaaac 120
aatgtaaaac aataagggca tatgtctggt gtgtgtgtgt gtgtgtgkgk gtgtgtgtgt 180
gtgtgyacsc acaygtgttt ataaagrtar cagytgtagg aatgaatgag attgrgggtg 240
rgggggtgcr tatgtatgtc tatgaaagcc taatcatttc tgggcaatga tgwaaaggtt 300
ttackactga tctttgtaac tatgatggtt tctacacttg acctgggct 349

<210> 5177
<211> 907
<212> DNA
<213> Homo sapiens

<400> 5177
gctgtacgga gagtgctgga ccgaggggag ctgggagcag gtactgcctc catcctgagc 60
tgccgtcctt tgaagggaga acctggggta gggttcgagg agcctggcra gaactgtgca 120
cctcctcggg aggagcagcc ccctcctgtg ctgctttccc cctcccttca atatgctggg 180
gcggagacyc kggcctccaa agtgcaattc cgggacccca aatcccagcg gacgcaccag 240
gctcaggtgg cgttccaggt gtgtgtgcgc cctggctcct acaccccggg acccccttcc 300
gctgcccttg gagaacctcc tgaccctcac ttcagtccag ccgaacttga gtgggtcact 360
aaggagaagg gggccacact cctctgtgcc ctgctggtac gggtggaatg aggggtgaga 420
caccactact acaagcacag tcgggccgcg ggcattggga ctctgagtgg cgactgctcc 480
acctcattcc cgtgactcgt ggcatgcgca ggtgctggar cttggcagcc gcgcaggagc 540
atgtaggcag gctctcagat gtaggtggca agtggcacag ctccatgtcc ggaggcccag 600
cactccgtct gatgggagga gycgtgggag cccagctcca ggccctggta cccctcttca 660
tgcactgatt tggggaacat gactcccttt tactccccta ccccacatca cttaatttat 720
ttccgttttt gtttctggtt actgtgaatc ccagaggagt ctctccctgt gcccacatga 780
agctgctttt tccggggcca ccgggcggga gtggggaagg gtgggcgcac ggaagatggg 840
ggcctctgta cagttgttac tgactctgat ttctaaggag ccaataaaca ccgtctcaga 900
aaaaaaa 907

<210> 5178
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(865)
<223> n = A,T,C or G

<400> 5178
actttttaa cgaatggggg aagggatcta tgagaaaggt ggtatctaat ttttttatgg 60
accataaagg tttaaaagaa aataggggca caggctgttg aggtttttat gttgttatag 120
acctttttaa attatgttag agatgtatat aggtatttaa aggtcactgg gagcgtttct 180
gattcccggc cacactttgc atttcaacac tcagcccgga aagatgctcg ttcggttgtt 240
ggacctcttt cactccctgc gtgtaagaag gtgaatcacg tgggaaaaag tggmtyytya 300
gtaaacgggt acagctcatt ctttctgaga aggccccagg tcctgctccc tcctcggatt 360
tgattgtctt ccgtgctttg cctcactcgt agtaaatgac catccataga atatgtgaat 420
ctttggtgag cttcagtggg cagagtgaag tcccgcatta gcatttaggt gccctgagct 480
gtttctgcca atagattaga aagcagccat gagttgacag tctttagggc ccctgccagt 540
gtgcaattag tcattgacaa gaacaatgcc atttgagagt gaggtggtcc ctgctgctac 600
gaggccattg tactgttttt tccttgaggt caaagcagtg cttcccatag agtttgctgc 660
ctcttctgtg gacaggaaga aaacttcatg accgaatcag agccttggtg gccactgact 720
ctcgtgctta ttgcagatgc tgtggttggc ctcacaagca acgccttatg ctgatgtgca 780
gaggtgccag ctgccawttt gccaaactct gcatttcatt tcatctaang gyttargccc 840
ctcttncttc cgggggttan ccgtg 865

<210> 5179
<211> 952
<212> DNA
<213> Homo sapiens

<400> 5179
tgcaacatca ctgatatcag catcctttaa aatattatct gmywcttgtt ctragagcma 60
saaagctggg aattcyttga yaragtkawk masaatgcmk mcawaatgaa tgcatgyasr 120
ctrytrtggt ttactagaca tcaaagtaaa ggagcagtct ttggaaaatc taatcaaggg 180
aaggaagatc tatgaacctc cacggtatat gagtgtaaac caagcagccc agcagcttct 240
ggagattgtt caaaatcaaa gaatacgagg agaagaacca gcagttaccg aggagacact 300
ttgtgttggc ttagccaggg ttggagccga cgaccagaaa attgcagcag gcactttaag 360
gcaaatgtgc actgtggact tgggagaacc attgcattcc ttgatcatca caggaggcag 420
catacatcca atggagatgg agatgctaag tctgttttcc ataccagaaa atagctcaga 480
atctcaaagc atcaatggac tttgaacata gatatttacc attgtctgat gtaaatttca 540
gccatatatg gattgatatg gtttggatgt atccccaccc aagtctcatc ttgaatttta 600
atcctcataa ttcccaggtg ttgtggtagg taattgaatc atgggggcag tttccctcat 660
gctattctca tgatagtgag ctttcatgag atctgatggt tttataagtg cctggcattt 720
cccctactgg ctctcattct cactcttgcc gccctgtgaa gaggtgcctt ccaccgtgat 780
tgttaagttt cctgaggcct tcccagccat gtggaactgt gagtcgaaaa ttaaacctct 840
tttataatta cccagtctcg ggtatttctt catagcagtg tgagaatgga ttaatacctg 900
gatgcatgca tgtttgtgta acaaacaggt cttttggctt atctagtaag ta 952

<210> 5180
<211> 657
<212> DNA
<213> Homo sapiens

<400> 5180
gtatcacctg agcaaatctt ttaaattata cattctgtga tatttccttg actttcttat 60
ccagcacttg tattgattat ttttcatttt gataatgttg ggtttttaaa aactccttta 120
tgatggaaaa tttcaaacat acacaaaagt agagagagaa tggtataata aacccactca 180
gttttaagga ttgtcaacta ataccagttt tatttcatgt atgactccaa caacttcccc 240
aaccagcctt cagattattt gaaagcaaat ttcagacatc gtattttact catacatttt 300

ctagtatcta aatctggaag agactctttt ctaacagttc tgtagcatta attatactca 360
tactgttgtg caacaaatat ccagaaatct tttgtcttgc gaaactgaac ctcttaccca 420
ttaaacacta actccctttt ttttcaccct gaaccatkgg caaccacaat tttactttct 480
ttttctgtga gtttgattac ttgatacttc atgtgagtgg aatcatataa tayyystctt 540
tytgtgactg acattttatt tagcttaatg tcttcaagtt tgacccatac catatcatgt 600
ggcaggattt ttccctttt ttttttttca gacggrgytc gytctgtcgc caggtgg 657

<210> 5181
<211> 969
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(969)
<223> n = A,T,C or G

<400> 5181
ctgggagcga gacggtggcc cggcccagcc ccatgggcca caccggctgg tgagacgaga 60
ggatggggca gcaggggacc gggacctgcg ggcagctgtg gtgaatcagg acgctgagga 120
gccaggaggc ctkcctggag gcggtgctac gtcgactaca ggsacagtgt cggcaggaac 180
tggccaggct ggtgggagcc cgccctggtc tcatctggat cccgccacct ggacgctgag 240
ggcctgtcga cgggccctcg tgtgggaagc ctgccctggc ccagcctggc tgggtcttgg 300
aggagcagat tccaaggcag gtggcgcagg gacgatgcag atgcagagcc cacgtcacat 360
gctcgctcca ggggtggggc tgggctgact ctggccggat cccaggcctg tggctagcag 420
cactggggac aggaatggct ggtcccttga ggaggtcgtg acaggctcag cctggtggtc 480
tggaggggac tcggaaataa attgtagcag ctttcctgcc gctggccctc cccctgccac 540
cctgtcgggt ttccctgttt gggggtggga gcgtggagga gcccctggca gttggtggcc 600
agtgtagggc tggccaggtn ctggaggaca tgcatacccc agcactggtg agtggcagga 660
ccacggggag gtggcacagg cctccctgga gcnggattat ctcggccccg ccccccttca 720
tttgggctcc cgctgtgggc ctggcctggg ctgtgagcac agcttgcccc nacctccggc 780
catggctgtg nctggtgggt ncgccggatg ggagcccggg gctcttgctt cctttncccg 840
ggaagttggt tgcttccggg tngggaggna cagcattggn acaagagggg ttttntttcc 900
anaggctgtt caagcaaagt tnaagttgat tccctgacaa agaagcatnt gttttcccgg 960
ngaacttgc 969

<210> 5182
<211> 280
<212> DNA
<213> Homo sapiens

<400> 5182
gaggagttaa attttgaagc tctttgagaa aggtaccttt tcttaacatg ttkkwtaaat 60
aaaaatacaa tggcttattt aaaatgtccc tatgcatggt gaaatgttaa ataccaagtg 120
gatgaatggt tctcaaatat attgtaatgg agaattattc acatgcatct attgtttaaa 180
ctaataagta aaatagactt ccttttttctg ttctgtttta aatgtgcact aaaattacct 240
gcttgtggtt aagcatgggc tggacagttt attgattttt 280

<210> 5183
<211> 758
<212> DNA
<213> Homo sapiens

<400> 5183
gccacacggg cccgcatcat ccctgcaatc tggttccgct acgacctcag ccccatcacg 60
gtcaagtaca cagagagacg gcagccgctg tacagattca tcaccacgat ctgtgccatc 120

attggcggga ccttcaccgt cgccggcatc ctggactcat gcatcttcac agcctctgag 180
gcctggaaga agatccagct gggcaagatg cattgacgcc acacccagcc taatggccga 240
ggaccctggg catcgccagc cttgcctcca gtgccctgtc tcctttggcc ctcaatctgg 300
tcccaaatct ggctgtgtcc caaagggtgt gtgggaagtg gggggaaagt agaggatggc 360
tcgatgtttt gcagctacct cttttccccg tgtttctttt tagacaaatt acactgcctg 420
aagttgcagt tccccctttcc ctggggagcc ccaagaacag agtcaggcaa ggggtgggga 480
gtccagggat cttggggacc cctcctagga gagctgcagt ctcttccctc aggggaacat 540
cccagaatgc atatcgatca gctctcagcc aggcttcgac aatctcgcag cccccactag 600
gtggacacat taatgatttk gtttctcccc tgggcagcca acctgcccca gaggcaccag 660
acctgggctt tctagctttt gggaccaggc tgcccaaagg tactccttta tacacccggc 720
accttccacg gagatgggta ctttcccaag caagcccc 758

<210> 5184
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5184
ttccctccct cctcctttca ttctccttct ctccttctcc cttccttttc tcctacctcc 60
tttgactaag cctccctccc ctactccctc ctttccttcc ttccttcctt cttctctatc 120
aatataatca ctttgtttct ttcaggtgag atcggactgg aactgttcgg ctgcgaccag 180
aaatttattt tcctgagtaa attgccgaga attaagaatg aagagggcca tttgcatctc 240
cttaaattat tcagttacct gctttattgc tccatgtgga aaacttaaaa ttgttaagtt 300

<210> 5185
<211> 333
<212> DNA
<213> Homo sapiens

<400> 5185
atccagagaa atgatgtgcc ttgtgtaaag ttgtggttag gaagggacag agccaggact 60
ctaaattctg tcctccggcc ataattccaa aactttctcc aatgttaggt atgtaggcta 120
aaatgtgcta acagcacttg tgtttttgtt tccttttgtt ttacttttta ttatggcaaa 180
tttcaaacat atacagatac agaatagttt aatgaactcc catgttctca tcatgccagt 240
tcaaacatga atacatggtc aaccttgtat cacttaaact cytgcasaca agccctgccc 300
catcctgttg ttttgaataa aatccatcat tgt 333

<210> 5186
<211> 555
<212> DNA
<213> Homo sapiens

<400> 5186
aaaacactat ttacctattt tccaaggaag gaagtattga gattgacatt ccagtcccca 60
aatacttatc ttctgtgagc tcacaagaaa ctcagggcgg ccccttagc tcctatgact 120
ggaacccatt gaaaaggtgt ttgtcaaagc tggagacaaa gtgaaagcgg gagattccct 180
catggttatg atcgccatga agatggagca taccataaag tctccaaagg atggcacagt 240
aaagaaagtg ttctacagag aaggtgctca ggccaacaga cacactcctt tagtcgagtt 300
tgaggaggaa gaatcagaca aaagggaatc ggaataaact ccagcaagga aatggccagt 360
taagtagtgt cttctctctc caccaaaaag aggaagtgcc tccagctttt ctgggggtct 420
cataaagagc agttttacta aatgattgta tgcttatgct gaacaccttt catattggag 480
aatcatgcat ttgggtcact aattatctca aaatatttca tactaataaa gttgaattat 540
tttttattgg aagcc 555

<210> 5187
<211> 1029

<212> DNA
<213> Homo sapiens

<400> 5187
aacaggaata tggaaagaaa ctcagagccg agttagtgga aaagtggaaa gcagagagag 60
aggctcggct ggcaagagga gaaaaggaag aggaggagga agaggaggaa grgatcaaca 120
tctatgcagt caccgaggag gagtcggacg aggaaggcag ccaggagaaa ggaggggacg 180
acagccagca gaagttcatt gctcacgtcc ctgttccctc gcagcaagag attgaggagg 240
cactggtgcg aaggaagaaa atggaactcc tccagaagta tgcaagcgag accctgcagg 300
cccaaagtga agaagccaga aggctcctgg ggtattagga cccagctggg gctctccttg 360
gagttcttcc atcccccagt ggtacctcag gacccagggc tkcagacaca ggctggtgct 420
gcaagggctc ctgccccatt ctcagccttc cttccctctc cttgtctcat gttgaccgga 480
gggtaggggt ctgtccctgg tcttcctggt aggttttgta cacatatttt gctactgtgt 540
ggatccattt atttttattg tggagtgtat acaacaggtt gcgaactggc tgcctgtgtc 600
ttattttgac ttgcactgcc attttgaggg gagaagaatc aattagtggc aaacatttaa 660
aaatgcaatt ttttgcagac caaagtataa ttttaaaaaa tgcaaatttt ctaaaagaca 720
catctcttga aaaatgagat gatgtggcca ggcgcaagtg cacgcctgta accccagcac 780
tttgggaggc cgaggcgggc gggtcacgag gtcaagagat ggagaccatc ctggccaaca 840
tggtgaaacc ccatgtctac taaaaataca aaaaaattag ctgggcgtac tggcatgcac 900
ctgtagtccc agctgcttgg gaggctgagg caggagaatc acttgaaccc gagaggtgga 960
ggttgaagtg agcaagactc gtgccattgc actccagcct ggcgacagag tgagactctg 1020
tccccccac 1029

<210> 5188
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 5188
gnnctataga atacaagcta cttgttcttt ttgcngganc ccwtckagws kgaattatag 60
tattgacgtg aatcccactg tggtatagat tccataatat gcttgaatat tatgatatrg 120
ccatttaata acattgattt cattctgttt aatgaatttg gaaatatgca ctgaaagaaa 180
tgtaaaacat ttagaatagc tcgtgttatg gaaaaaagtg cactgaattt attagacama 240
cttacgaatg cttaacttct ttacacagca taggtgaaaa tcatatttgg gctattgtat 300
actatgaaca atttgtaaat gtcttaattt gatgtaaata actctgaaac aagagaaaag 360
gtttttaact tagagtagcc ctaaaatatg gatgtgctta tataatcgct tagttt 416

<210> 5189
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

<400> 5189
aatggcctgc ctcacacgtc agccagaacc cagctgcccc agtcaatgaa gattatgcak 60
gagatcatgt acaaactgga agtgctctat gtcctctgcg tgctgctgat ggggcgtcag 120
sraaaccagg ttcacagaat gattgcagag ttcaagctga tccctggact taataatttg 180

tttgacaaac tgatttggag gaagcattca gcatctgccc ttgtcctcca tggtcacaac 240
cagaactgtg actgtagccc ggacatcacc ttgaagatac agtttttgag gcttcttcag 300
agcttcagtg accaccacga gaacaagtac ttgttactca acaaccagga gctgaatgaa 360
ctcagtgcca tctctctcaa ggccaacatc cctgaggtgg gaagctgtcc ttcaacaccg 420
acaggagttt gggtgtgtga tggggaagag ggggcttatt taactcgtct ggttgcaggt 480
tcatggaaga agggagccag caggagtcgt cttttcaggt tttnggcaag ctcggggntg 540
ttgggagagt tttcctcccg aggggaccac ct 572

<210> 5190
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5190
taagaatcca ccaccaccca tcaattttca ggaatgggat ggtctagtaa ggataacctt 60
tgttaggaaa aacaagacac tctctgctgc atttaaatca agtgcagtgc aacaactctt 120
ggaaaaaaac tacagaattc actgttcagt ccataatatt ataataccag aagatttcag 180
catagcagat aaaatacagc aaatcctaac cagcacaggt tttagtgaca aacgggcccg 240
ttccatggac atagatgact tcatcagatt gctacatgga ttcaacgcag aaggtattca 300

<210> 5191
<211> 553
<212> DNA
<213> Homo sapiens

<400> 5191
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tctgttctat cttcccatca taaaaaaagc tctgaggaac atgaatacag tgatgaagct 120
cctcaggaag atgagggctt tatgggcatg tcccctctct tacaagccca tcatgctatg 180
gaaaaaatgg aagaatttgt ttgtaaggta tgggaaggtc ggtggcgagt gatccctcat 240
gatgtactac cagactggct caaggataat gacttcctct tgcatggaca ccggcctcct 300
atgccttctt tccgggcctg ttttaagagc attttcagaa tacacacaga aacaggcaac 360
atttggacac atctcttagg tatgtaatgt cagtgatgta atgagctggt gattcacttt 420
cttccttttt attttcatgt atttgagggt aagcacagaa cttcagaaat gtatttggat 480
ttgccatttt gttttctgaa tttctaatga tgaattttct gactggttta ctcgtagttt 540
atcctggttt gca 553

<210> 5192
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5192
atcagtatga actcttaaaa catgcagaag caactctagg aagtgggaat ctgagacaag 60
ctgttatgtt gcctgaggga gaggatctca atgaatggat tgctgtgaac actgtggatt 120
tctttaacca gatcaacatg ttatatggaa ctattacaga attctgcact gaagcaagct 180
gtccagtcat gtctgcaggt ccgagatatg aatatcactg ggcagatggt actaatatta 240
aaaagccaat caaatgttct gcaccaaaat acattgacta tttgatgact tgggttcaag 300

<210> 5193
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5193
gaaccaagaa aatatttaaa aatctaagca gtcctttgct cattaaagga taaatcagta 60

gttaacactt tttctacaaa gaaatggtgt gcctggatgg tcgtgtaggt gagttttacc 120
aaggattatg gtaacaaatg agtgagacct ctatggagaa aatattgaag gacattaaag 180
aagacctcat aaatggagag agatatatca ttaatggata ggaagcctca atggcataag 240
tatgtcagtt tctttcaaaa ctcacctatg gattcaatgt gattccaaac caaatcccaa 300

<210> 5194
<211> 575
<212> DNA
<213> Homo sapiens

<400> 5194
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cctccctgag ggtcggctgg gtgaggagag cccttccttg cacaagcgaa agagggaggc 120
tcctgaccaa gaccctgggg gccccagagc tcaggagcta gcacaacctg gggatctgtg 180
caagaagccc tttgtggcct tgggaagtgg tgaagaaagc cccctggaag gctggtgact 240
actcttcctg ccttagtcac ccctccatgg gcctggtgct aaggtggctg tggatgccac 300
agcatgaacc agatgccgtt gaacagtttg ctggtcttsc ctggcagaag ttagatgtcc 360
tggcaggggc catcagccta gagcatggac caggggccgc ccaggggtgg atcctggccc 420
ctttggtgga tctgagtgac agggtcaagt tctctttgaa aacaggagct tttcaggtgg 480
taactcccca acctgacatt ggtactgtgc aataaagaca ccccctaccc tcacccacgg 540
ctggctgctt cagccttggg catcttcata aatgg 575

<210> 5195
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 5195
aagcagcttg gggctcactc cccctccacc ttgctgacca ccctcatgtt ctttaatacc 60
aagtacttcc tattgaagac agtggaccag cacatgaagc tggccttctc caaggtcttg 120
cgacagacaa agaagaaccc ctctaatccc aaggataaaa gcacgagtat ccggtacttg 180
aaggcccttg gaatacacca gactggccag aaagttacag atgacatgta tgcagaacag 240
acggaaaatc cagagaatcc attgagatgt cccatcaagc tctatgattt ctacctcttc 300
aaatgccccc agagtgtgaa aggccggaat gacacctttt tacctggaca cctggaggcc 360
agtgggtggg ccccccaaca ggcccaatct ggttaytcag tccagcctat tcaggcagag 420
aggcagatgg gggacaattg tttgacgcgg gttcnggggt gattaaggag gaanttt 477

<210> 5196
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(555)
<223> n = A,T,C or G

<400> 5196
cccaggatga actggttgca gtggctgctg ctgctgcggg ggcgctgaga ggacacgagc 60
tctatgcctt tccggctgct catcccgctc ggcctcctgt gygcgctgct gcctcagcac 120
catggtgcgc caggtcccga cggctccgcg ccagatcccg cccactacag ggagcgagtc 180

aaggccatgt tctaccacgc ctacgacagc tacctggaga atgcctttcc cttcgatgag 240
ctgcgacctc tcacctgtga cgggcacgac acctggggca gtttttctct gactctaatt 300
gatgcactgg acaccttgct gattttgggg aatgtctcag aattccaaag agtggttgaa 360
gtgctccagg gacagcgtgg gactttgata ttgatgtgaa cgcctctgtg tttgaaacaa 420
acattcgagt ggtagggagg actcctgtct tgttcatctg cttttccaag aaggctgggg 480
tgggaagtag aggctggatg ggcctgtttc cggggctttt ccttgagaat tggctnagga 540
nggcggcccg aaaat 555

<210> 5197
<211> 1175
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1175)
<223> n = A,T,C or G

<400> 5197
agattatgag catgtagaag atgaaacttt tcctcctttc ccacctccag cctctccaga 60
gagacaagat ggtgaaggaa ctgagcctga tgaagagtca ggaaatggag cacctgttcc 120
tgtacctcca aagagaacag ttaaaagaaa tatacccaag ctggatgctc agagattaat 180
ttcagagaga ggacttccag ccttaaggca tgtatttgat aaggcaaaat tcaaaggtaa 240
aggtcatgag gctgaagact tgaagatgct aatcagacac atggagcact gggcacatag 300
gctattccct aaactgcagt ttgaggattt tattgacaga gttgaatacc tgggaagtaa 360
aaaggaagtt cagacctgtt taaaacgaat tcgacttgat ctccctattt tacatgaaga 420
ttttgttagc aataatgatg aagttgcgga gaataatgaa catgatgtca cttctactga 480
attagatccc tttctgacaa acttatctga aagtgagatg tttgcttctg agttaagtag 540
aagcctaaca gaagagcaac aacaaagaat tgrgrgaaat waaccaactg gccytggaaa 600
gaaggcaggc maagctgctg agtaatagtc agaccctrgg aaatgatatg ttaatgaata 660
cacccagggc acacacggtt gaagaggtta atactgatga ggatcaaaag gaggagtcaa 720
atggattaaa cgaagacatt ctggacaatc catgtaatga tgctattgcc aatactttaa 780
atgaagagga aacactgctg gaccagtctt ttaaaaatgt gcaacagcaa cttgatgcta 840
catccagaaa tattactgaa gctagataag tttccattaa gagaaaatgt atctgttaag 900
tcatcgtcct gcaagcttgg cgttactatg tatttttct tcttggagtg aaaatcctta 960
gatagtaaaa ctgttataga ttattgttta aaatctgata atctggtatt tatttataat 1020
tatggggctt gtcactttag ttaaatctat ttgtnctctt tagtgtttgt ttttatatag 1080
gtatttcttc ataaaatgat taggaggtaa tangcagttt ctgctgctgg tctgtcattg 1140
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<210> 5198
<211> 752
<212> DNA
<213> Homo sapiens

<400> 5198
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aacaagtttg ccttctccta tgttttccag aaatgacttc agtatctgga gcatcctcag 120
aaaatgtatt ggaatggaac tatccaagat cacgatgcca gttatattta atgagcctct 180
gagcttccta cagcgcctaa ctgaatacat ggagcatact tacctcatcc acaaggccag 240
ttcactctct gatcctgtgg aaaggatgca gtgtgtagct gcgtttgctg tatctgctgt 300
tgcttctcag tgggaacgga ctggaaaacc tttcaaccca ctgctgggag agacttatga 360
attagtgcga gatgaccttg gatttagact catctccgaa caggtcagcc atcacccacc 420
aatcagtgca tttcatgctg aaggattaaa caatgacttc atctttcatg gctctatcta 480
tcccaaactg aaattctggg ggaagagtgt agaagcagaa cccaaaggaa ccatcacctt 540
ggagctcctt gaacacaatg aggcatatac atggacaaat cccacctgct gtgtgcataa 600

tatcattgtg ggtaaactgt ggatcgaaca gtatggcaat gtggaaatta taaaccacaa 660
gactggggac aaatgtgtgt tgaattttaa gccatgtggc ctttttggta aggaattaca 720
caaagttgaa ggctacattc aagataaaag ca 752

<210> 5199
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5199
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gtatcggcca ggagaggaca cggaggagga ggaagatgag gatgtggata gtgaggataa 120
ggaagatgat tcagaagcag ccttgggaga agctgagtca gacccacatc cctcccaccc 180
ggaccagagg gcccacttca ggggctgggg atatcgacct ggaaaagaga cagaggaaga 240
ggaagctgct gaggactggg gagaagctga gccctgcccc ttccgagtgg ccatctatgt 300

<210> 5200
<211> 530
<212> DNA
<213> Homo sapiens

<400> 5200
ggatttctcc tccttccgcg ctttctgcgt gacactggct gtcagctctg ggctgggctt 60
tctgggggcc acacagctgc tgaggcggcg ggttgaggcg gcccgaaagg acccagggtg 120
ctcaggcctg gttgtggata gcggcctgtg tggagaggag ctgcttgtrg gcagtgagga 180
ggcggacagc atcaccttgg gccggtatct ccggcagctg gcacgccatc ggaacttcct 240
gtggttcgtg agcatggacc tggtgcaggt cttscastgs cwctwcrmcw gyaayyycwk 300
cmctctcttc ctggagcatc tgttgtccga ccatatctcc ctttccacgg gctccatcct 360
gttgggcctc tcctatgtcg ctccccatct caacaacctc tacttcctgt ccctgtgccg 420
gcgctggggc gtctacgcgg tggtgcgggg gctcttcctg ctcaagctgg gacttagcct 480
gctcatgttg ttggccggcc cggaccactc agcctgctgt gcctcttcat 530

<210> 5201
<211> 837
<212> DNA
<213> Homo sapiens

<400> 5201
atacactgca tttgctggtg ctgtttttat atagtgaagc aacagctgta cagcaaaata 60
ataaaatact cacttcttcg ttaaaaaaaa aaaaatttac ttcttacaat tctggaggcc 120
aggaagacca tgatcaggtg ccagcatctg ggaagggcct tcttgctgtc ctcccatggc 180
agaagatgga agggcaaggg agagctaaca tgctcccgca aacccttttt ataatggcat 240
caatcaaata tgaggccaga gtccttgtga cctaatcatc tcccaraagg ctccgcyycc 300
aaccctgttg cattgggatt aagtttccaa cacatgaatt gtggagacaa cacattcaaa 360
acatagcatt ccacaccttg ggctccccag attcatgtcc tcacatgcaa aataaattca 420
ttccatccca atagccccta aaaagtctta acttgttcca gcatcaactt taaagtcaaa 480
gtccaaagtc tcatctaaat cagatatgag tgagactcaa ggcatgattc atcatgagac 540
aaaggatgta catttgcaat gtttgtcatg tcagacaaaa caaaaatatg taaatatcca 600
tcaataggga actgctgaaa aatttttttg tataatcata aaatgaaaca tgcagatgtt 660
taaaccaatg agctagatct caacgtgctg atatggaaag tgcttcagaa tgtattaagg 720
acataaatta agtgtacaat aatgtgtgtg tgtgtatata tgtatatgct tacgtgtgta 780
tggaaagtat ctcagcagat acaataaaaa cttaattgtg attaaaaaaa aaaaaaa 837

<210> 5202
<211> 589
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 5202
caagaagaaa catggcggct atccttctct cacatcgaaa aggaaatttt gaacaatcat 60
ggaaaatcta aaacgtgctg tgaaaacaaa gaagagaaat gttgcaggaa agattgttta 120
aaactaatga aataccttt arwwcrgcws aragaaaggt ttaaagacaa aaaacatctg 180
gataaattct cttcttatca tgtgaaaact gccttctttc acgtatgtac ccagaaccct 240
caagacagtc agtgggaccg caaagacctg ggcctctgct ttgataactg cgtgacatac 300
tttcttcagt gcctcaggac agaaaaactt gagaattatt ttattcctga attcaatcta 360
ttctctagca acttaattga caaaagaagt aaggaatttc tgacaaagca aattgaatat 420
gaaagaaaca atgagtttcc agtttttgat gaattttgag attgtatttt ttagaaagat 480
ctaagaacta gagtcaccct aaatcctggg agawtacaag awaaatttgg aaaaggggcc 540
agacgctgtg gcttcacacc tgtagttccc agcttctttt gggngggcc 589

<210> 5203
<211> 551
<212> DNA
<213> Homo sapiens

<400> 5203
gcatttggcc cattggccgc attctgctga cccatcacct tggtgctttt tctgcttttt 60
ctcygtygtm ctctgtgtgt gttcctttgt cctgatcctt gtcaccttgt gggtccaaaa 120
tggttccact agcctcatgg agcctggcct tacattgcag agtccaaagc aggagctgag 180
ggaaaatgaa aaacaacttc ttcatcaccg gaagcccagc aaacttctcc ttaaaaatca 240
ctggtcaggg ctgggtgcag tggctcacac ttgtaatgcc agcactttgg gaggctgaga 300
tgggcagatc acctgaggtg aggagttcga gaccagcctg gccaacatgg tgaaacctca 360
tctctacaaa aatgcaaaaa ttagccgggc ctggtggcgt gtgcctgtaa tcccagctac 420
tcaggaggct gaggcaggag aatttcatga acctgggagg cggaggttgc agtgagccaa 480
gactgtgcca ctgccttcca gcctgggtga cagaatgmga ctctatcttt araaacacaa 540
aacaagtcga c 551

<210> 5204
<211> 345
<212> DNA
<213> Homo sapiens

<400> 5204
gtccagaaat actctgatac tagctatggt cagcaacatt taatgaaaac scttatgtta 60
aaaataaacc cctgcctcct ggcttcaagc gattctcctg cctcagcctc ctgagtagct 120
gggagtatag gcacgtacca ccacacccag ctaatttttt gtatttttac tagagatggg 180
tttcacagtg ttagccagga tggtttcgat ctcctgacct catgatccgm ccgcctmggc 240
ctcccaragt gctgagatta caggcgtgag tcactgtgcc cggcctcaaa atsttargaa 300
aaggttcttt tgggtgcatg gagttttaca tgggaataaa ttagt 345

<210> 5205
<211> 458
<212> DNA
<213> Homo sapiens

<400> 5205
ggatattcat taccctgaga atgaaatgac ctgcaattcg aaaatcagct gtatcagttg 60

gagtagttac cataagaacc tgttagctag cagtgattat gaaggcactg ttattttatg 120
ggatggattc acaggacaga ggtcaaaggt ctatcaggag catgagaaga ggtgttggag 180
tgttgacttt aatttgatgg atcctaaact cttggcttca ggttctgatg atgcaaaagt 240
gaagctgtgg tctaccaatc tagacaactc agtggcaagc attgaggcaa aggctaatgt 300
gtgctgtgtt aaattcagcc cctcttccag ataccatttg gctttcggct gtkcagatca 360
ctgtgtccac tactatgatc ttcgtaacac taaacagcca wtcatggtat tcaaaggaca 420
ccgtwaagca gtctcttatg caaagttttt gagtggtt 458

<210> 5206
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 5206
atggtgtttt cacctggaag ctgagaagaa aggggcttta atggaacaaa tagcacatca 60
agctgttgta atgcagttta ttatggaaat ggccaaaaac tgtaatgtgg atccaagagg 120
gtgttttcgt ttatttttcc agaaagccaa agcagaggaa gaaggttatt ttgaagcatt 180
caaaaatgaa cttgaagctt tcaagtcaag agtaagactt tattctcaat cacaaagttt 240
tcaacctatg acagttcaga atcatgttcc ccattctggt gttggatcta taggtttatt 300
agaatcctta ccacagaatc cagattatct tcagtattct atcagtacag ctctctgcag 360
cttaaactcg gtggtacata aagaagatga tgaacccaaa atgatgggac actgtataat 420
ttgggttaag actgctgagg ccaagtgcta ttttgttaca ggaaagggag gaacttgggc 480
tattttcttg gacactttta tgggggtgct ggcactttat tttttgttcc ggtttttgtn 540
ggggnggg 548

<210> 5207
<211> 934
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(934)
<223> n = A,T,C or G

<400> 5207
aaaacataat ttctgtttca tggagatgaa tacaaggctg caagtggaac atcctgttac 60
tgagatgatc acaggaactg acttggtgga gtggcagctt agaattgcag caggagagaa 120
gattcctttg agccaggaag aaataactct gcagggccat gccttcgaag ctagaatata 180
tgcagaagat cctagcaata acttcatgcc tgtggcaggc ccattagtgc acctctctac 240
tcctcgagca gacccttcca ccaggattga aactggagta cggcaaggag acgaagtttc 300
cgtgcattat gaccccatga ttgcgaagtg rntcgtgtgg gcagcagatc gccaggcggc 360
attgacaaaa ctgaggtaca gccttcgtca gtacaatatt gttggactgc mcaccaacat 420
tgacttctta ctcaacctgt ctggccaccc agagtttgaa gctkggaacg tgcacactga 480
tttcatccct caacaccaca aacagttgtt gctcagtcgg aaggctgcag caaagagtct 540
ttatgccagg cagccctggg tctcatcctc aaggagaaag ccatgaccga cactttcact 600
cttcaggcac atgatcaatt ctctccattt tcgtctagca gtggaagaag actgaatatc 660
tcgtatacca gaaacatgac tcttaaagat ggtaaaaaca gttttcgtct cctcggataa 720
tcaaccattt ccatactcat gtaatctagg catactctgg agttattaca ggtttggttc 780
cagaccacta caataaaatg tagccatagc tgtaacgtat aaccatgatg ggtcttatag 840
catgcagatt gaagaaaact ttccaagtcc ttgggtaatc tttacagccg agggagactg 900

cacttacctg aaatgttccg ttaatgggag ttgc 934

<210> 5208
<211> 934
<212> DNA
<213> Homo sapiens

<400> 5208
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ggctgcttct ggtggctatg tgaacatcat caaaatatta ctaaatgcag gagctgagat 120
taactctaga actggtagca aattgggcat ctctcctctg atgttagcag ctatgaatgg 180
gcatacagct gctgttaagc tcctgttaga catgggctct gacataaatg ctcagataga 240
aaccaatcgg aacactgccc ttactttagc ctgcttccaa ggaagaactk aagtggttag 300
tcttctgctt gatagaaaag caaatgttga acacagagct aagactggtc tcacaccayt 360
aatggaggct gcctctggtg gatatgcgga ggtggccgag ttcttttgga taaagatgct 420
gatgttaatg ccctccagtt cctcctcaag agatacagct ttaaccatag cagcagataa 480
gkgcattaca aattctgtga gcttcttatt ggcaggggag ctcatattga tgtacgtaac 540
aagaagggga acactccatt gtggctagca gcaaatggtg gacacctcga tgtggttcag 600
ttactggtgc aagcaggtgc agatgtggat gcagcagata accgcaagat aactcctctt 660
atggcagcat ttagaaaggg tcatgtgaag gtggtgcgct acttagtcaa agaagtcaat 720
cagtttccat cagattctga atgtatgaga tacatagcaa ccatcactga taaggagatg 780
ctgaagaagt gtcatctttg tatggagtca atagtacaag ccaaagatag acaggctgct 840
gaagcaaaca aaaacgccag cattttgtta gaggagttag acttggaaaa gttaagggaa 900
gaaagtcgga ggctggcttt ggctgcgaaa agag 934

<210> 5209
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5209
gcgggcacgg cggtggctcg gtctcccggc tgcgcgcgga gcgggagggc tctcctcaca 60
caagcgcttc cttgccgaga ggctggagct gcggcaccgc aggcctgagc cacccttct 120
ctgctgtctc cttctcttcc tcagggctcc cgtgtctgct cgccctccga cgctgctcag 180
actatggaaa tgatgttaga caaaaagcaa attcaagtga ttttcttatt caagttcaaa 240
atgggtcata aagcagcaga gacaactcgc agcatcaaca atgcatttgg cccagaaatt 300

<210> 5210
<211> 711
<212> DNA
<213> Homo sapiens

<400> 5210
ccccttcctt ctgtctctgg agacccttga gcttggggaa atatggaggg gtgtgtgtct 60
gcaatcaagg cctctgcagc tcacggctgg cccggtgggc tgggacttcc gtctgaattt 120
taaatactta gggttcattt ttttttctct gggcaacaaa gcttgatgtt ttcactgctt 180
tagtttcctg tttgctggtg ggaggggata cggtctgtga ctctggactt gctctggggg 240
aacagttgtc actgcccccg gggagagggg cagcttgggc tggagaagca cagccagaga 300
cagagcccct cgagagggat ccttggctgc ttcattgtct tccccccagc aagccctgct 360
ctccacaggc acctctgggg tcttggtatg gtccccgctc acctccttcc agagtcctga 420
gtggtgtggg tgtgggtggc acaggatctg gggcatggga ggggttcaga gcttcccaga 480
gccccgtgtc ctggcagact cagctggtgg gctggggtgt taaccccagt cctggcgtag 540
gtttacagac tctcaaggta cgttggccct ggtctcctgg gagagagggg tgagggatgt 600
cccctaccaa agcacaaggt gggatcaggc tgcctcctgg gttgggtgtc gggggagctg 660
tccggcagcc tggcagggag atgcaagggc taaagtaaaa ttttgtcaag t 711

<210> 5211
<211> 839
<212> DNA
<213> Homo sapiens

<400> 5211
tcaaggccta cgaacaggtg atgcactacc ccggctacgg ttcccccatg cctggcagct 60
tggccatggg cccggtcacg aacaaaacgg gcctggacgc ctcgcccctg gccgcagata 120
ccttcctact accaggggggt gtactcccgg ccccatttat gaactcctct taagaagacg 180
acggcttcag gcccggctaa ctctggcacc ccggatcgag gayaagtgag agagcaagtg 240
ggggtcgaga ctttggggag acggtgttgc agagacgcaa gggagaagaa atccataaca 300
cccccacccc aacaccccca agacagcagt cttccttcac ccgctgcagc ygttccgtcc 360
caaacagagg gccacacaga taccccacgt tctatataag gaggaaaacg ggaaagaata 420
taaagttaaa aaaaagcctc cggtttccac tactgtgtag actcctgctt cttcaagcac 480
ctgcagattc tgatttttt gttgttgttg ttctcctcca ttgctgttgt tgcagggaag 540
tcttacttaa aaaaaaaaaa aaattttgtg agtgactcgg tgtaaaacca tgtagtttta 600
acagaaccag agggttgtac tattgtttaa aaacaggaaa aaaaataatg taagggtctg 660
ttgtaaatga ccaagaaaaa gaaaaaaaaa gcattcccaa tcttgacacg gtgaaatcca 720
ggtctcgggt ccgattaatt tatggtttct gcgtgcttta tttatggctt ataaatgtgt 780
attctggctg caagggccag agttccacaa atctatatta aagtgttata cccggtttt 839

<210> 5212
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 5212
agaaagtgct agcacagttt gtgttgtgga tttgctactt ccatagttta cttgacatgg 60
ttcagactga ccaatgcatt tttttcagtg acagtctgta gcagttgaag ctgtgaatgt 120
gctaggggca agcatttgtc tttgtatgtg gtgaattttt tcagtgtaac aacattatct 180
gaccaatagt acacacacag acacaaagtt taactggtac ttgaaacata cagtatatgt 240
taacgaaata accaagactc gaaatgagat tattttggta caccttttctt tttagtgtct 300
tatcagtggg ctgattcatt ttctacnttn aancagnggg ttttctgacc angaatatgg 360
ctnggatttt ttngaaagta caaaangcca catagttttt ccagaaaggt ttcaaaactc 420
ccaaagatta acttccaact tataagtttg tttttatttt caatctatga cttgactggg 480
tattaaagcc gctatttgga tagtaattaa atatggtggt cattgatata aaccngtttg 540
gggtcagcaa accaacctaa atggatggcn aagaccgngg gtttaatttt cccggtgggg 600
gtg 603

<210> 5213
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5213
ccaaggcgca gcccgattct gccccctacg attggttcgg ggacttctcc tccttccgtg 60
ccctcctaga gccggagctg cggcccgagg accgtatcct tgtgctakgt tgcgggaaca 120
gtgccctgag ctacgagctg ttcctcggag gcttccctaa tgtgaccagt gtggactact 180
catcagtcgt ggtggctgcc atgcaggctc gctatgccca tgtgccgcag ctgcgctggg 240
agaccattga tgtgcggaag ctggacttcc ccagtgcttc ttttgatgtg gtgctcgaga 300

<210> 5214
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 5214
gagaagctga ccttggacct gacggtgctc ctgggtgtgc tgcaggggca acagcagagc 60
ctacagcagg gggcacactc caccggctcc agccgcctgc acgacctcta ctggcaggcc 120
atgaaaaccc tgggagtcca gcgccccaag ttggagaaga aggatgccaa ggagatcccc 180
agtgccaccc agagccccat cagtaagaag cggaagaaaa agggattctt gccagagacg 240
aagaagcgca agaaacgcaa gtcagaggat ggcacgccag cggaggatgg cacacctgca 300
gccaccggcg ggagccagcc ccncagcatg ggcaggaaga agaggaacag gacaaaggct 360
aaggtcccag cccaggcaaa cgggacgcca accaccaaga gtccagcccc tggcgcccnc 420
acccggagcc ccagcacccc tgccaaatcc ccaaaactgc agaagaaaaa ccagaagccg 480
tcccaggtga at 492

<210> 5215
<211> 1011
<212> DNA
<213> Homo sapiens

<400> 5215
gcaaggcgcc gggggacacg ttggctgcgt tttcggcgga ctggccgggt acaaaaatgg 60
ctgtggctag cgatttctac ctgcgctact acgtagggca caagggcaag tttgggcacg 120
agtttctgga gttcgaattt cggccggacg gaaagcttag atatgccaac aacagcaatt 180
acaaaaatga tgtgatgatc agaaaagagg cttatgtgca caagagtgta atggaagaac 240
tgaagagaat tattgatgac agtgaaatta caaaagaaga tgatgctttg tggcctcccc 300
ctgatagggt tggccgacag agcttgaaat tgtaattgga gatgagcaca tatcttttac 360
cacatcaaaa ataggttctc ttattgatgt aaatcagtca aaggatcctg aaggccttcg 420
agtattttac tatttggtac aagacttgaa atgtttagtt ttcagtctta ttggattaca 480
cttcaagatt aaaccaattt aaattgtatg ttttcaggct gtttgtatat ttaattaagg 540
gatgggaggg gttatttgtc atttacagta ttggggtttt tatgaatgtg aagcaaacaa 600
aaaaaatttg tatgtaaact gaaaataaga aaatacatta gcaagcttaa tggttatcct 660
tacttgagtc cacatgggtt ggacagtccc cacacacatt aaattctgta aatgaaagcc 720
acctttttgtt aaaaatttgc tctaataaaa cataccaaat cctggttgca gagtagtttt 780
ttgttttttc caggaggcta tgtctctaat tcactttaga gataataaga aattgttctg 840
gtagatatat cctgtgacag aagatacttt aggtggaact atgtagccag attcccatcc 900
atgaaaggca agtgtagatt gtcccttatt tccttcatac atgattggat ttaattttgg 960
ggggcttata caaggtctag tttttttta cagttatgac aaacccctca g 1011

<210> 5216
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5216
gcaacgtgtg cggtcgggcg attccggagc ccctgcgtgg aggaactgct gggcgggagg 60
agacgccggc ggctcgggcg atggctgacc gcacacgttg ccaccctgag gtctttctgg 120
aagtggatat ctactcagac agtaagaatt ataagagctg taagagctca ttttggagga 180
ataatggatg aaccatctcc cttggcccaa cctctggagc tgaaccagca ctctcgattc 240
ataataggtt ctgtgtctga agataactca caggatgaga tcagcaacct ggtgaagttg 300

<210> 5217
<211> 1544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1544)
<223> n = A,T,C or G

<400> 5217
cgggactggt accaccgcat cgaccccacc gtgctgctgg gcgcgctgcg cgttgcggag 60
cttgacgcgc cagctggtac aggacgagaa cgtgcgcggg gtgatcacca tgaacgagga 120
gtacgagacg aggttcctgt gcaactcttc acaggagtgg aagagactag gagtcgagca 180
gckgcrscgw srgcacagta gacatgactg ggatccccac cttggacaac ctccagaagg 240
gagtccaatt tgctctcaag taccagtcgc tgggccagtg tgtttacgtg cattgtaagg 300
ctgggcgctc caggagtncc actatggtgg cagcatacct gattcaggtg cacaaatgga 360
gtccagagga ggctgtaaga gccatcgcca agatccggtc atacatccac atcaggcctg 420
gccagctgga tgttcttaaa gagttccaca agcagattac tgcacgggca acaaaggatg 480
ggacttttgt catttcaaag acatgatgta tggggattag aaagaactca agacactcct 540
gcttgataca gaacaaaaag agcttaacag gaccaacang gcttaagccc agacttgacg 600
taacagaaat gtgccaatag gtaataggta atttttcttt ctctgacttg ttttgttttc 660
ttgaaataac actgttgtgt ggctagaaag gaaaagattt agtgtggctt gtattcaygg 720
gatacaggac agggatgggg ctatcatctt ttcttgaata gggctaaaga agtattttaa 780
caaaaatcta ttatgtacct aatattgtgc ctaataatat ttagcaccac aactcaaaaa 840
acatttagca cttgaaaaaa ggagactcac ctctggctct ttgccactgt cagaatctga 900
atctcactgg ccctgtggag tagggatcct atctggagaa gtgggagcat gggctgcagt 960
caggactgct gcagactgag ccatgtgatg gtacgtaatg agttcccctg agggaatgaa 1020
acacccccct cacccttca aagtcacccc tttggaattc aacacagaca cacatatccc 1080
ttcaaaaact tttatttgta tcaacagttc ctagctcttg acttagctta gagcttttaa 1140
aagagcagac accttatata tttgagattg aaaaagtttc tgctattaat cagaaataat 1200
catttctatt ttctggctta ccccttggaa taagccaaaa ataaaaccaa agttacattt 1260
cctgacagat ggctaagaaa acaatagaag gaacatcctg aattctagag ttgactcttg 1320
ctggtgaagt acaccttcag gcttaggtcc attctcctaa gtaaagcctg aaggaaaact 1380
cttaacacct aattctttgt gggaaaaatg atcaactagg ccatttcaca ggctwtagaa 1440
cmaaagtacm attgggcatc tttccytatg tcckgggatc aggggwgctt acatttaaca 1500
ttgatcaggt aaagaggaga ggctgtgcta aggtctgaga aaag 1544

<210> 5218
<211> 948
<212> DNA
<213> Homo sapiens

<400> 5218
ggctagcgat ttctacctgc gctactacgt agggcacaag ggcaagtttg ggcacgagtt 60
tctggagttc gaatttcggc cggacggaaa gcttagatat gccaacaaca gcaattacaa 120
aaatgatgtg atgatcagaa aagaggctta tgtgcacaag agtgtaatgg aagaactgaa 180
gagaattatt gatgacagtg aaattacaaa agaagatgat gctttgtggc ctccccctga 240
tagggttggc cgacaggagc ttgaaattgt aattggagat gagcacatat cttttaccac 300
atcaaaaata ggttctctta ttgatgtaaa tcagtcaaag gatcctgaag gccttcgagt 360
attttactat ttggtacaag acttgaaatg tttagttttc agtcttattg gattacactt 420
caagattaaa ccaatttaaa ttgtatgttt tcaggctgtt tgtatattta attaagggat 480
gggaggggtt atttgtcatt tacagtattg gggtttttat gaatgtgaag caaacaaaaa 540
aaatttgtat gtaaactgaa aataagaaaa tacattagca agcttaatgg ttatccttac 600
ttgagtccac atgggttgga cagtccccac acacattaaa ttctgtaaat gaaagccacc 660
ttttgttaaa aatttgctct aataaaacat accaaatcct ggttgcagag tagtttttg 720

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ttttttccag gaggctatgt ctctaattca ctttagagat aataagaaat tgttctggta     780
gatatatcct gtgacagaag atactttagg tggaactatg tagccagatt cccatccatg     840
aaaggcaagt gtagattgtc ccttatttcc ttcatacatg attggattta attttggggg     900
gcttatacaa ggtctagttt ttttttacag ttatgacaaa cccctcag                 948
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<210> 5219
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5219

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gctgggagta taggctgagt taggaagatt gcttgagccc ggaaggcaga agttgcagtg      60
agccaagatc gcgccactgc actcccaact ggacgacaaa gcgagatact gggagtatag     120
gcattcgcca ccctgggcaa catagcaaga ccctgtgtct acaaaaaatt taaaaaaaat     180
tagcctgtag ccctagctat gcaggaggtg gaggtgggag aattgcttga acccaggagt     240
ttgaggttac agcgagctgt gatagcacca ctgcactcca gcctgggcca cagagcaaga     300
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<210> 5220
<211> 1043
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1043)
<223> n = A,T,C or G

<400> 5220

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taaaaaacca ccttttgttc gaaactccct ggagcgacgc agcgtccgga tgaagcggcc      60
gtccccaccc ccacatcctt cctcggtcaa gtcgctgcgc tccgagcgtc tgatccgtac     120
ctcgctggac ctggagttag ascwssaggc gacaagaacc tggcacagcc aattgaccca     180
ggagatctcg gtgctgaakg agctcaagga gcagctggaa caagccaaga gccacgggga     240
gaaggagctg ccacagtggt tgcgtgagga ckagcgtttc cgcctgctgc tgaggatgct     300
ggagaagcgg cagatggacc gagcggacac aagggtgagc ttcagacaga caagatgatg     360
agggcagctg ccaaggatgt gcacaggctc cgaggccaga gctgtaagga acccccagaa     420
gttcagtctt tcagggagaa gatggcattt ttcacccggc ctcggatgaa tatcccagct     480
ctctctgcag atgacgtcta atcgccagaa aagtatttcc tttkttccay tgaccaggct     540
gtgaacattg actgtggcta aagttattta tgtggtgtta tatgaaggta ctgagtcaca     600
agtcctctag tgctcttgtt ggtttgaaga tgaaccgact ttttagtttg ggtcctactg     660
ttgttattaa aaacagaaca aaaacaaaac acacacacac acaaaaacag aaacaaaaaa     720
aaccagcatt aaaataataa gattgtatag tttgtatatt taggagtgta tttttgggaa     780
agaaaattta aatgaactaa agcagtattg agttgctgct cttcttaaaa tcgtttagat     840
tttyytsgtt gtacagctcc acctttttaga ggtcttactg caataagaag taatgcctgg     900
gggacggtaa tcctaatagg acgtcccgca cttgtcacag tacagctaat ttttcctagt     960
taacaatttg tcatattamm mmntgcacag ammaccattg gggggggattc agaggtgcat    1020
ccaccccggn tcttcttgag ctg                                            1043
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<210> 5221
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(796)
<223> n = A,T,C or G

<400> 5221
atcgattaac acttctaatg agtcaagtcc tagggttttt tggttttgtt ttgttgccaa 60
cgaggaacac agctctgggg gaatggtgtc atccwcstgc gytttaaaaa taagcacatg 120
atggctgggc accgtggctc acgcctgtaa tcccagcact ttgggaggct gaggcgggtg 180
gwtcacctga ggtcgggagt ttgagaccag cctggccaac atggtgaaac cccatcgcta 240
ctaaaawtat aaaaaattag ctgggcatgg tggcgcacgy ctgtagttcc agctactcag 300
gaggctgagg caggagaatc gcttgaaccc gggaggtgga ggttgcagtg agctgagatc 360
gcaccattgc actcccacct gggcaacaaa gagtgaaact tggtctcaga aacgaaacaa 420
aacacaaaaa cctttctcag tcccagcata tgtggagcag cctcattctt catagctgtg 480
tgtcattccg ttgcgtgatg gggtcacaga gcacagacct ggtgcccttt tccttttaa 540
tatgtggaaa cccctccatg ctttccaaag cctacaagta cagcagcccc aagtttaggg 600
tgagcagcag tggtcagagc tctttactat tacttttggg caaacgcaag ccaggctggc 660
aaccaccact gccgccgagg ggagatacaa gcaggccagt ttcacactyt gggacktta 720
gtttctttct tacatctaga aggtgggcct ctkgttattc cantttaaag gcagcccaag 780
ggaantgttc agnaaa 796

<210> 5222
<211> 328
<212> DNA
<213> Homo sapiens

<400> 5222
ataaggcagt ctctcaaaag tcatactgcc agagtctcta gggcaaggag aaacaactag 60
ctggacaata ctcaattcac aacttagcat tttgccatct gaagcttggc aaactagtat 120
ctgctgtaaa acaacctata tggtatgtga accgtagtat tcctgagcaa aacgtggctt 180
tcatcgcttt gtaaaaattt gcatctgttt agaaactagc ctataaaata tcaccattgg 240
atgtagatat ggagagaaaa gaaatatgtt gggtttattg cttagcgaaa tattctcttt 300
ttatttaaat aaaatgttct tcattgtg 328

<210> 5223
<211> 302
<212> DNA
<213> Homo sapiens

<400> 5223
ggaagagctc gtcttggagt ccaagctttt gccacttcaa ttgcaccagc tccaggaacc 60
atacaaccat cttcaatkgc atttttgata gcacgaagtc catctcttat ggcatccttg 120
acttgtgtga gagtcatgct ttatttggtc ctttaaccaa caaggtaaca gagcaagggt 180
taacacactc ctcaataaaa gtgaactttt cttcacctaa tgtatactca tacacaagac 240
cagcatgtcc caagcaatct acagtgagat cttcaaaaga attcacggcc attccaccac 300
aa 302

<210> 5224
<211> 551
<212> DNA
<213> Homo sapiens

<400> 5224
gcagtacgtg tgccgtgagg ctcatagttg atgagggact ttccctgctc caccgtcact 60
cccccaactc tgcccgcctc tgtccccgcc tcagtccccg cctccatccc cgcctctgtc 120
ccctggcctt ggcggctatt tttgccacct gccttgggtg cccaggagtc ccctactgct 180
gtgggctggg gttgggggca cagcagcccc aagcctgaga ggctggagcc catggctagt 240
ggctcatccc castgcattc tccccctgac acagagaagg ggccttggta tttatattta 300
agaaatgaag ataatattaa taatgatgga aggaagactg ggttgcaggg actgtggtct 360
ctccyggggc ccgggacccg cctggtcttt cagccatgct gatgaccaca ccccgtccag 420
gccagacacc acccccccacc ccactgtcgt ggtggcccca gatctctgta attttatgta 480

gagtttgagc tgaagccccg tatatttaat ttattttgtt aaacatgaaa gtgcatcctt 540
tccctccaaa a 551

<210> 5225
<211> 555
<212> DNA
<213> Homo sapiens

<400> 5225
gctctgtgac acccttttg tgatcttcag tgctgttttt atggttacac gactaggaat 60
ctatccattc tggattctga acacgaccct ctttgagagt tgggagataa tcgggcctta 120
tgcttcatgg tggctcctca atggcctgct gctgacccta cagcttctgc atgtcatctg 180
gtcctaccta attgcacgga ttgctttgaa agccttgatc aggggaaagg tgacctgtcc 240
aggaaggatk agwcscwgtr mtgtssactc tttsmkcasc tcmkwsswwk wwkmtrtgmc 300
cgcgggasct gsacarwwws atctcttgca tgtatcgaag gatgatcgca gtgatgtgga 360
gagcagctca gaggaagaag atgtgaccac ctgcacaaaa agtccctgtg acagtagctc 420
cagcaatggt gccaatcggg tgaatggtca catgggaggc agctactggg ctgaagagta 480
aggtggttgc tatagggact tcagcacaca tggactttgt agggccactg gcaaacaata 540
ctcctcttgg gccct 555

<210> 5226
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 5226
attcaagatg agatttgggt ggggacacag ccaaacccta tcggttgcca acatttacag 60
taacagtgtt aggtgaacag ttgtccagtc tcctgttttg tcggacactg tttctagcac 120
cttccaggca gaatctcatg tatccttcac tttcgaawts ggwacgagka tttcatcccc 180
acttttatca atgagaaact aaagctcgaa gaggtcaagt aagttcctgg ccaaggtcag 240
ctagcaggct ctagaggcct cgttctcctt agaggcaagc cttgccaggg cccaggcttg 300
gcaggctgca gggcaggtgc gggcatgcca tggtagaggt gggaccattg aggctcagag 360
agggtaagtg atgancctg gnacacagcg gggtgggtcc agagtccggc ctgcatcttc 420
tggagctggc cagtggacag gcctttcccg ttcacaagcc cggggctgct gttcccacca 480
agggggaat gttgccta 498

<210> 5227
<211> 537
<212> DNA
<213> Homo sapiens

<400> 5227
ggatgggtgc cctggagcca ggcaaggcag gaggccccag aaacttggtg ggggagataa 60
cggaggggat ggagcaggag gaatcctgaa aaccggactg ggagagatgk grccsagtgg 120
asgakkyccr staysasmkg gcgtmtgaga ckgaaacatt aattctgaag aagaagaaac 180
tagacagtca gacctccagg actaagatga agtgagccga gaggagatcg tatcataaga 240
atgcttctgt cgttagccgg gtgcagtgct gtgtgtatct agttccagct acttgagagg 300
ctgaggcagg aggattgctt gagtccagaa agtggcagtt gcagtgagtg gagatcgtgc 360
cactgctcwc cagcctgggt ggcagarcga gaccctgtct caaaaaaata acaaaaacaa 420
aatgcttctg tcagttaaca atctttatta gagggttttt agtctttctt tctcagctgt 480
atgttaagtt ggttgacaaa tgcaaataaa cgtctttatt atcctttctt tctgaaa 537

<210> 5228
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

<400> 5228
ggggcctgag gtgccagggt tcacagacag ggtttcccac cagccacacg caccagctct 60
atttggggga agtgtagtga ggaggagccc agaggacccc aggggagtga ggagggagaa 120
cttggaaggg tgcagcccac ttccagactc tcccctctcc cacccttcta ccctgtgaag 180
ggaaatgagg gctttagttt cctgggcagg gaggggcagc ttctgaggtt gccaaaggcc 240
cccactggat ggaacctgtt agctgctcct ctccgcagcc agaaatgctg ccggctgcac 300
ccagaggagc agtgaggcag gacagatgga caggttcctc ctgcgctgta attccctgct 360
ccctggagac tgggaaaagg ccgcagnacg ggggactggg cggtggtggc tggtggttta 420
aaggttgaac tttctctgaa gctcctttcc cctttgctct tggtccctgc cccngcaang 480
caaacctgcc ccctctgcct cccagtgcac ccaatgaccc cccttccccc tggggcggac 540
ttcctgattg aagcacaact ccccccgcaag gancccaag cccacaaggg ttggccataa 600
tttggggcag tttccaagtc ctgtnggctt cggctaatcn tgggggganga agatttttng 660
ggtcttggat ttcccttggg aaattgggtc cttgggcttg gaatntttc cctaaggggg 720
ccctcttant tcctt 735

<210> 5229
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 5229
ggctgcctgg ggaaggagaa atctgagcca agacctgaca aatgaatagg agtaagctaa 60
ggaaagtgac tggggtgagt gagttccaaa tggagggaac tgcatgtgca gaggcctgga 120
ggtgagggga acctgggcac attccaggag ctgaagggtt tgttgtggct ggaacataaa 180
gagccaaagg gggccaagca gtgcttcaca cctgtaatcc cagcrctctg ggaggcygag 240
gtgggcagat cacctgaggt caggagttca agaccagcct ggtcaacgtg gtgaaaccct 300
gtctctactn aaaatac 317

<210> 5230
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5230
ggccactccg cctcttccct cccttcgtcc cttcttcctc tccctttttt ccttcttcct 60
tcccctcctc gccgccaccg cccaggaccg ccggccgggg gacgagctcg gagcagcagc 120
caggtagaac tttagacttc atagcactga attaacctgc actgaaagct gtttacctgc 180
atttgttcac ttttgttgaa agtgaccatg tctcaagttc aagtgcaagt tcagaaccca 240
tctgctgctc tctcagggag ccaaatactg aacaagaacc agtctcttct ctcacagcct 300

<210> 5231

<211> 300
<212> DNA
<213> Homo sapiens

<400> 5231
atcagtatga actcttaaaa catgcagaag caactctagg aagtgggaat ctgagacaag 60
ctgttatgtt gcctgaggga gaggatctca atgaatggat tgctgtgaac actgtggatt 120
tctttaacca gatcaacatg ttatatggaa ctattacaga attctgcact gaagcaagct 180
gtccagtcat gtctgcaggt ccgagatatg aatatcactg ggcagatggt actaatatta 240
aaaagccaat caaatgttct gcaccaaaat acattgacta tttgatgact tgggttcaag 300

<210> 5232
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5232
ccggcggctc tggctgcccg gcggttgaga gcatggcctc tccaggggca ggtagggcgc 60
ctccggagtt accggagcgg aactgcgggt accgcgaagt cgagtactgg gatcagcgct 120
accaaggcgc agccgattct gccccctacg attggttcgg ggacttctcc tccttccgtg 180
ccctcctaga gccggagctg cggcccgagg accgtatcct tgtgctakgt tgcgggaaca 240
gtgccctgag ctacgagctg ttcctcggag gcttccctaa tgtgaccagt gtggactact 300

<210> 5233
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 5233
gcagcagctc ccaggatgaa ctggttgcag tggctgctgc tgctgcgggg gcgctgagag 60
gacacgagct ctatgccttt ccggctgctc atcccgctcg gcctcctgtg ygcgctgctg 120
cctcagcacc atggtgcgcc aggtcccgac ggctccgcgc cagatcccgc ccactacagg 180
gagcgagtca aggccatgtt ctaccacgcc tacgacagct acctggagaa tgcctttccc 240
ttcgatgagc tgcgacctct cacctgtgac gggcacgaca cctggggcag ttttctctg 300
actctaattg atgcactgga caccttgctg attttgggga atgtctcaga attccaaaga 360
gtggttgaag tgctccaggg acagcgtggg actttgatat tgatgtgaac gcctctgtgt 420
ttgaaacaaa cattcgagtg gtagggagga ctcctgtctt gttcatctgc ttttccaaga 480
aggctggggt gggaagtaga ggctggatgg gcctgtttcc ggggctttc cttgagaatt 540
ggctnaggan ggcggcccga aaat 564

<210> 5234
<211> 596
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 5234

actcaaagac acgtacatgt tgtccagcac cgtctcctcc aaaatcttgc gggccattgc 60
cttaaaggaa ggttttcatt ttgaggaaac attaactggc tttaagtgga tgggaaacag 120
agccaaacag ctaatagacc aggggaaaac tgttttattt gcatttgaag aagctattgg 180
atacatgtgc tgccctttg ttctggacaa agatggagtc agtgccgctg tcataagtgc 240
agagttggct agcttcctag caaccaagaa tttgtctttg tctcagcaac taaaggccat 300
ttatgtggag tatggctacc atattactaa agcttcctat tttatctgcc atgatcaaga 360
aaccattaag aaattatttg aaaacctcag aaactacgat ggaaaaaata attatccaaa 420
agcttgtggc aaatttgaaa tttctgccat tagggacctt acaactggct atgatgatag 480
ccaacctgat aaaaaaagct gttctttccc acttagttaa aaggcaggcc aaatggattc 540
accttcacct ttggctaatg ggagggcgtg ggcaccntgc ggcaccagtg gggacn 596

<210> 5235
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 5235
gcttcgtgtg ctactgcgaa ggggaggaaa gcggggaggg ggaccgcggc ggcttcaacc 60
tctacgtgac cgacgccgcg gagctttgga gcacctgctt cacgccggac agcctggcgg 120
ccctcgtggg taactgggcg ggtctgggag ccgccacacc cctccttgca gtgcagatcg 180
tctatggggc gacagacatc tgggattccc cagaaggctc tgacaccctc tgcccgccct 240
gtagctgtag tcctcccatt ggctagggct cttggggtcg ggcaggtttc gggtgccccc 300
agtggcctcg ggttccaggc agctcgtgac aagcccctgt gctctctaga aagcccgttt 360
tggcctgagt gcggctgagg acatcacccc ccggttcagg gcagcctgtg agcagcaagc 420
tgtggctctg actctgcagg aggacagagc atccctgacg ctttcagggg ggccctcgga 480
ctggcctttg acctctccaa ggtaccaggc ccagaggcag cccccaggct gtgggcgctg 540
acactgggcc tggcaaaacg cgtgtggagc ctggagcgkc gactkgcagc tgcagaagag 600
acagctgtca gcccgaggaa gagcccccgg cctgcagggc ttcagctctt cttaccagac 660
ccagatcccc agagaggttg ccctggacct nggagtcagg atgncggttt ccaggagaat 720
tcgttcatcn aa 732

<210> 5236
<211> 816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(816)
<223> n = A,T,C or G

<400> 5236
ctgaaacagg gtcgggatgc cgatgccggc ttggagttag agrkkmgwca ccgctgagag 60
cagctgcagt agctgagyag tggcagcaga gaggcagacg tgagctgagg gcgcagaggc 120
aggcagcatc tctgagggtc cccaaggagc atggctggga gccgtgaggt ggtggccatg 180
gactgcgaga tggtggggct ggggcccacn gggnagagtg gcctggctcg ttgcagcctc 240
gtgaacgtcc acggtgctgt gctgtacgac aagttcatcc ggcctgaggg agagatcacc 300
gattacagaa cccgggtcag cggggtcacc cctcagcaca tggtgggggc cacaccattt 360
gccgtggcca ggctagagat cctgcagctc ctgaaaggca agctggtggt gggtcatgac 420
ctgaagcacg acttccaggc actgaaagag gacatgagcg gctacacaat ctacgacacg 480
tccactgaca ggctgttgtg gcgtgaggcc aagctggacc actgcaggcg tgtctcctgc 540

gggtgctgag tgagcgcctc ctgcacaaga gcatccagaa cagcctgctt ggacacagct 600
cggtggaaga tgcgagggca acgatggagc tctatcaaat ctcccagaga atccgagccc 660
gccgagggct gccccgcctg gctgtgtcag actgaagccc catccagccc gttccgcagg 720
gactagaggc tttcggcttt ttgggacagc aactaccttg cttttggaaa atacattttt 780
aatagtaaag tggctctata ttttctctac gccaaa 816

<210> 5237
<211> 817
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(817)
<223> n = A,T,C or G

<400> 5237
agacagagta ctgattggag gggatgaaac tccagagggc cagagagctg tgcaggccct 60
gtgtgctgta tatgagcact gggttcccag agaaaagatc ctcaccacta atacttggtc 120
ttcagagctt tccaaactgg cagcaaatgc ttttcttgcc cagagaataa gcagcattaa 180
ctccataagt gctctgtgtg aagcaacagg agctgatgta gaagaggtag caacagcgat 240
tggaatggac cagagaattg gaaacaagtt tctaaaagcc agtgttgggt ttggtgggag 300
ctgyttccaa aaggatgttc tgaatttggt ttatctctgt gaggctctga atttgccaga 360
agtagctcgt tattggcagc aggtcataga catgaatgac taccagagga ggaggtttgc 420
ttcccggatc atagatagtc tgtttaatac agtaactgat aagaagatag ctattktggg 480
atttgcattc aaaaaggaca ctggtgatac aagagaatct tctagtatat atattagcaa 540
atatttgatg gatgaaggtg cacatctaca tatatatgat ccaaaagtac ctaggggaac 600
aaatagttgt gggatctttc tcatccaggg tgtttcagag ggatgaccaa gtgtccccgg 660
cttcgtgacc atttccaagg atccatatgg aaggcatgtg atgggtgccc catgctgttg 720
tttattttgc actgagtggg gacatgtttt aaggggattt gggattattg gaccgcattc 780
cattaaaaaa atggcttaag nccagccctt tatnctt 817

<210> 5238
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

<400> 5238
gtgcaccgga gggtgaagac agccctcgcg akgamkgwgg aggcctggkg agcaggcctg 60
accctgtgry rswrcwksag gctgcggtga agcgggccga ccacctggag gagctgctgg 120
agcarmmcag gaggcccacg mcaagtacca agtgaccagg gatgccggga acactgtcga 180
agaacggaag gcagaggaca gaggctggac gttggcccag agcagagaga cgnccacctg 240
ccccccacag aggctggtgg ttnagatgcc cacggttaag cacctgtggc ttgcattttt 300
aaacagttaa aaggaggccg ttgttttcag cgccttt 337

<210> 5239
<211> 570
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 5239
gacttctgaa gaacatgaag caagcagaag ggtgaaagcg gagctgctgg ttcagatgga 60
tggtgttgga ggtacttctg aaaatgatga cccttccaaa atggttatgg ttctggcagc 120
tactaatttt ccctgggata tagatgaggc tttaagacga cgccttgaga aacgaatcta 180
tattcctttg ccgtcagcaa aaggcaggga ggagctatta cgaataagtc tacgtgagtt 240
ggaattggct gatgatgttg accttgcaag tatagcagaa aacatggaag gttattcagg 300
tgcggacatt accaacgtgt gcagggatgc gtccttgatg gcaatgagaa ggcgcattga 360
aggtttgact ccagaggaaa tccgaaatct ttccaaagaa gaaatgcaca tgcctacaac 420
tatgggagga tttcgagatg gctttaaaaa aggtttctaa gtncagtgtt cttgctggca 480
gacatttgaa aggttacggg gaatgggtat tttgagtttg ggtccntgct aaatttntca 540
cctgtaaact gttgaggaat gtgccttaag 570

<210> 5240
<211> 907
<212> DNA
<213> Homo sapiens

<400> 5240
agccaatgtg cttgcaagtg tacagatctg tgtagaggaa tgtgtgtata tttacctctt 60
cgtttgctca aacatgagtg ggtatttttt tgtttggttt ttttgttgtt gttgtttttg 120
aggcgcgtct caccctgttg cccaggctgg agtgcaatgg cgcgttctct gctcactaca 180
gcacccgctt cccaggttga agtgattctc ttgcctcagc ctcccgagta gctgggatta 240
caggtgccca ccaccgcgcc cagctaattt tttaattttt agtrgagaca gggttttacc 300
atgttgscca ggctggyctt gaactcctga ccctcaagtg atctgcccac cttggcctcc 360
ctaagtgctg ggattatags cgtgagccac catgctcagc cattaaggta ttttgttaag 420
aactttaagt ttagggtaag aagaatgaaa atgatccaga aaaatgcaag caagtccaca 480
tggagatttg gaggacactg gttaaagaat ttatttcttt gtatagtata ctatgttcat 540
ggtgcagata ctacaacatt gtggcatttt agactcgttg agtttcttgg gcactcccaa 600
gggcgttggg gtcataagga gactataact ctacagattg tgaatatatt tattttcaag 660
ttgcattctt tgtcttttta agcaatcaga tttcaagaga gctcaagctt tcagaagtca 720
atgtgaaaat tccttcctag gctgtcccac agtctttgct gcccttagat gaagccactt 780
gtttcaagat gactactttg gggttgggtt ttcatctaaa cacatttttc cagtcttatt 840
agataaatta gtccatatgg ttggttaatc aagagccttc tgggtttggt ttggtggcat 900
taaatgg 907

<210> 5241
<211> 1184
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1184)
<223> n = A,T,C or G

<400> 5241
gcaagatccc tccacctgtc attatggtgc aaaatgtgag cttcaagtat acaaaagatg 60
ggccttgcat ctacaataat ctagaatttg gaattgacct tgacacacga gtggctctgg 120
tagggcccaa tggagcaggg aagtcaactc ttctgaagct gctaactgga gagctactac 180
ccacagatgg catgatccga aaacactctc atgtcaagat agggcgttac catcagcatt 240
tacaagagca gctggactta gatstmtcrc ctttggagta catgatgaag tgctacccag 300
agataaagga gaaggaagaa atgaggaaga tcattgggcg atacggtctn actgggaaac 360

aacaggtgag cccaatccgg aacttgtcag acgggcagaa gtgccgagtg tgtctggcct 420
ggctggctgg cagaaccccc acatgctctt cctggatgaa cccaccaatc acctggatat 480
cgagaccatc gacgccctgg cagatgccat caatgagttt gagggtggta tgatgctggt 540
cagccatgac ttcagactca ttcagcaggt tgcacaggaa atttgggtct gtgagaagca 600
gacaatcacc aagtggcctg ggagacatcc tggcttacaa ggagcacctc aagtccaagc 660
tggtggattg aggagcccca gctcaccaag agkacccaca acgtgtgagc cytytacctg 720
ggttcgggtc aggagctcca tcntgggaac taacagctgc taacctgacc agccgctcag 780
gacaggaccc tggggctaca ctcctgcatt gctgcaatac tgctccccca gcctctcccc 840
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tcctgtcctc cttccagtta catctgtcca tgtctggact cggctggccg ttccctccag 960
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gtgatgttgg aggagtaccc cccagcccac cgccccgatt ccttttgct tctggtttgg 1140
agctccggac caggaccttc gtcctggtna gtttttaaat aatt 1184

<210> 5242
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 5242
gtaaaccttc cccagtccta tcagagcaaa ctttctgggg ttgcatcccc tcagaaaccc 60
atttggggcc caatctcaat gcacatatca gtgcgcaaag cactaaaatt ccaggcaaca 120
ctttgtattg agagaagcca aaattttggt cmsgccctgg gacatctaaa gtcaccaatg 180
taactacacc atacagatta aaccctcaca tgatcatgta agctatgcag ttacccaagc 240
tgcatcattt agaaaacctg tacagttttt atggaaacca tccctagtca aggacacttt 300
aaatatatag tctaaatacc gttaaggtag gcccactagc tgtgttcaca ttttcccttg 360
gncaccttac caggggactt tta 383

<210> 5243
<211> 1278
<212> DNA
<213> Homo sapiens

<400> 5243
cacctgtgct tgcagccagg tcaggcccag ctgcagccca ggcaggagca gtcgcctttc 60
ccacccacag cgctggccac agggctccct gcagggtcag ggaccagacc acgcccagag 120
gaggggaggc actggccccc gccacaggac tggagacgca agaacaaaaa gaaccaagta 180
gagagagtgg agctgcttta ttgcccttgg agcccgcgct ctcggaggct gtcttctgtc 240
gccaagggtc ccggaccgag tacacagtgg cagctggctt agttggtgga cggcytggss 300
cactcgacgt tgaggatgag gtggtcgtag ccaaagccgg acaccccggc aatggcacgc 360
gcagsatcct cgcggcggtg gaagctgatg aaggcraagc ccttggattg gccagtggtc 420
ttgtccttag ccaggtagat gcgggagatg gagccgaaag gcsggaagag ctcctgcagg 480
tcggtctcac gcgtgtcctc tgacaagttg gtgacacgga tggtggcgtt gtcgtcggct 540
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acatacttcc ctgtcttgtt ctgcgtggcc tgcacgggct ctagctctcc cggcagcttc 660
tccttctcgc cagtaracag gcccagctgc tcggccagct ccttctgcat gggccccagc 720
gtatccttgt aggggcagcg ggtggtccag tggtcgccct tgcagatgcg gcaggacacg 780
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ttgctggtga tgaacgtcat agagacatcg tcactgacag tggtggtggc cacattgggt 900
ccgggggggt caaactctga gttcccgaac ttcttccagt tcttcctcct tgcgacagcc 960

tttgaagcct tccgggtctc aatcctgaag gtgcggacaa tcttgaactt cttgccatcc 1020
tcattttcta tcttgtactc tgtcactgtc tttatgtttc cgttgatgac ctccttggga 1080
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gggatcccct tgaggagctc gctggtgaca catttgtcgt cctccccctc ctcctccacc 1200
tggtcggccc aactgggctt cgaatyaaag tctccagtag gcatcgcaaa aagtattctc 1260
cacgcagccc aagcccgg 1278

<210> 5244
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5244
ttgagacgga gtttcaccat gttggccagg atggtcttca acttctaact tcgtgatcca 60
cgctgctggg attacaggtg tgagccaccg cgtgtggcct ctgggcacct tttgaagctg 120
aagcagagag agaaggcggc aggcatcagc gttttcttct atgaacttat aagatcaaag 180
actttaagac tttcactatt tcttctaccg ctatctacta cgaacttcaa agaggaacca 240
ggagtacgga aggagcatga aagtggacaa ggaacgtgac cattgaagca ccacagggag 300

<210> 5245
<211> 496
<212> DNA
<213> Homo sapiens

<400> 5245
attctctctc cataccaccc cccaaaaatt ttcgccgctc caacacttca acactatttt 60
gktttatttg tcttattaat atmagaaggc aggaatgtca ggcctctgag cccaggccag 120
gccatcgcat cccctgtgac ttgcacgtat acatccagat ggcctgaagt aactgaagat 180
ccacaaaaga agtaaaaaca gccttaactg atgacattcc amcattgtga tttgttcctg 240
ccccacccta actgatmaat gtactttgta atctccccca cccttaagaa ggtyctttgt 300
aattctcccc acccttgaga gtgtactttg tgagatccac acctgcccac cagagaacaa 360
accccytttg actgtaattt tccattacct tccctaatcc tataaaacgg ccccacccca 420
tctccctttg ctgactctct tttcggactc agcccgcctg cacccaggtg aaataaacag 480
ccttgttgct cacaca 496

<210> 5246
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5246
gggagggcac acctgggggа cagcagcggc gggagtgtgg tccgactggc ctggaagatc 60
ttgggcagag ctgacctcag agaacagtgc gggtctctcg ccctcctggg gcagtcccca 120
ggacgaggtg ccaggtgcct ggcccatgtt gcaggggggc gtggagccca tgcagatcga 180
cgtggacccc caggaagacc cgcagaatgc acctgacgtc aactacgtgg tggagaaccc 240
cagcctggat ctggaacagt acgcggccag ctacagcggc ctggccactg ggtgccaccc 300

<210> 5247
<211> 300
<212> DNA
<213> Homo sapiens

<400> 5247
ggtatgtgta gcggcagtgg ccgccggcgg agcagtctga gcccgacgat gaggccgggg 60
acgggagctg agcgtggagg cctcatggtg agtgaaatgg agagccatcc tccctcgcag 120
ggtcctgggg acggggagcg gagattgtcc ggctcaagcc tctgctccgg ctcttgggtc 180

tctgctgacg gcttcctgag gagacggccc tcggtaaggg atcagtgggg caggggggaag 240
gcggcacatt gaaaaacgga gtgagaaaca ggaagctttc tccgaaagga gaagaagata 300

<210> 5248
<211> 507
<212> DNA
<213> Homo sapiens

<400> 5248
aggggggcggg cccgtacgcc gattccatat gggcgccggc gcggagcgcc gcggggcagc 60
gcggggtcgc catggctgag ctgcagcagc tccgggtgca ggaggcggtg gagtccatgg 120
tgaagagtct ggaaagagmg rwcmtsckkm wswyrcrgag gtctcatgtt ccggtgcagc 180
gccagctgtt gtgaggacag ccaggcctcc atgaagcagg tgcaccagtg catcgagcgc 240
tgccatgykc ctctggctca agcccaggct ttggtcacca gtgagctgga gaagttccag 300
gaccgcctgg cccggtgcac catgcattgc aacgacaaag ccaaagattc aatagatgct 360
gggcgtaagg agcttcaggt gaagcagcag ctggacagtt gtgtgaccaa gtgtgtggat 420
gaccacatgc acctcatccc aactatgacc aagaagatga aggaggctct cttatcaatt 480
ggaaaataaa agtatcttcc agtggcc 507

<210> 5249
<211> 1718
<212> DNA
<213> Homo sapiens

<400> 5249
cacaggcttt ggttcagaat ataggtcagc caacccaggg gtctcctcag cctgtaggtc 60
agcaggctaa caatagccca ccagtggctc aggcatcagt agggcaacag acacagccat 120
tgcctccacc tccaccacag cctgcccagc tttcagtcca gcaacaggca gctcagccaa 180
cccgctgggt agcacctcgg aaccgtggca gtgggttcgg tcataatggg gtggatggta 240
atggagtagg acagtctcag gctggttctg gatctactcc ttcagaaccc cacccagtgt 300
tggagaagct tcggtccatt aataactata accccaaaga ttttgactgg aatctgaaac 360
atggccgggt tttcatcatt aagagctact ctgaggacga tattcaccgt tccattaagt 420
ataatatttg gtgcagcaca gagcatggta acaagagact ggatgctgct tatcgttcca 480
tgaacgggaa aggccccgtt tacttacttt tcagtgtcaa cggcagtgga cacttctgtg 540
gcgtggcaga aatgaaatct gctgtggact acaacacatg tgcaggtgtg tggtcccagg 600
acaaatggaa gggtcgtttt gatgtcaggt ggatttttgt gaaggacgtt cccaatagcc 660
aactgcgaca cattcgccta gagaacaacg agaataaacc agtgaccaac tctagggaca 720
ctcaggaagt gcctctggaa aaggctaagc aggtgttgaa aattatagcc agctacaagc 780
acaccacttc cattttgat gacttctcac actatgagaa acgccaagag gaagaagaaa 840
gtgttaaaaa ggaacgtcaa ggtcgtggga aataaaaggc agttctacac agactgcagc 900
aacggttgca tctgcatatc ctaagaggaa aaaatgacct tcaagagaat taggactttt 960
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acaaaaaatc cctctaggta gtttaggtga aaaatgtccc ttttatttg gctttggttg 1140
tgatttcaga gcataatgct atgttttttt gtctttttac tatgtttttc ggatttttaa 1200
gtccgtaagt gcatacagtt ttctctaatt tttaaaccct ttcctcctcc cattttgaca 1260
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atttgatttt atccttccga actggaagaa cattttatg aagaattttt gtctaggaga 1380
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<210> 5250

<211> 426
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(426)
<223> n = A,T,C or G

<400> 5250
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accctgacct catctacaat gtcagctgga accacaatgg cagcctgttt tgctcagcat 360
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agaagg 426

<210> 5251
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

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<210> 5252
<211> 1603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1603)
<223> n = A,T,C or G

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